AUTHOR AND SUBJECT INDEXES

ISSN 0022-1759

VOLUMES 116–125 (1989)

JOURNAL OF IMMUNOLOGICAL METHODS

EDITORS:

V. NUSSENZWEIG

M.W. TURNER

ELSEVIER

Scope of the Journal

The JOURNAL OF IMMUNOLOGICAL METHODS is devoted to covering techniques for: (1) Quantitating and detecting antibodies and/or antigens and haptens based on antigen-antibody interactions. (2) Fractionating and purifying immunoglobulins, lymphokines and other molecules of the immune system. (3) Isolating antigens and other substances important in immunological processes. (4) Labelling antigens and antibodies with radioactive and other markers. (5) Localizing antigens and/or antibodies in tissues and cells, in vivo or in vitro. (6) Detecting, enumerating and fractionating immunocompetent cells. (7) Assaying for cellular immunity. (8) Detecting cell-surface antigens by cell-cell interactions. (9) Initiating immunity and unresponsiveness. (10) Transplanting tissues. (11) Studying items closely related to immunity such as complement, reticuloendothelial system and others.

Editors

V. Nussenzweig, *Department of Pathology, New York University Medical Center, School of Medicine, 550 First Avenue, New York, NY 10016, U.S.A.*

M.W. Turner, *Department of Immunology, Institute of Child Health, University of London, 30 Guilford Street, London WC1N 1EH, U.K.*

Editorial Board

R. Aalberse, *Amsterdam, The Netherlands*
V. Agnello, *Boston, MA, U.S.A.*
J.R. Archer, *London, U.K.*
S. Avrameas, *Paris, France*
R.S. Basch, *New York, NY, U.S.A.*
J.R. Battisto, *Cleveland, OH, U.S.A.*
H. Bennich, *Uppsala, Sweden*
A.E. Bolton, *Sheffield, U.K.*
F. Borek (Founding Editor), *Tel Aviv, Israel*
M.K. Brenner, *London, U.K.*
D. Brown, *Cambridge, U.K.*
J. Burnie, *Manchester, U.K.*
S. Challacombe, *London, U.K.*
S. Chantler, *Beckenham, U.K.*
N.R. Cooper, *La Jolla, CA, U.S.A.*
M. Denman, *Harrow, U.K.*
C.A. Dinarello, *Boston, MA, U.S.A.*
J. Fabre, *East Grinstead, U.K.*
A.J.H. Gearing, *Oxford, U.K.*
J. Goding, *Parkville, Australia*
J.G. Hall, *Sutton, U.K.*
F.C. Hay, *London, U.K.*
C.S. Hosking, *Parkville, Australia*
C.R. Howard, *London, U.K.*
M. Howe, *Brooklyn, NY, U.S.A.*
T. Ishizaka, *Baltimore, MD, U.S.A.*
K. James, *Edinburgh, U.K.*
G. Janossy, *London, U.K.*
R. Jefferis, *Birmingham, U.K.*
J.C. Jensenius, *Odense, Denmark*
G. Johnson, *Birmingham, U.K.*
A.P. Johnstone, *London, U.K.*
V. Jones, *Exeter, U.K.*
M. Kazatchkine, *Paris, France*
M.A. Kerr, *Dundee, U.K.*
S.C. Kinsky, *Denver, CO, U.S.A.*
S. Knight, *Harrow, U.K.*
H. Koprowski, *Philadelphia, PA, U.S.A.*
M. Lamm, *Cleveland, OH, U.S.A.*
J.J. Langone, *Houston, TX, U.S.A.*
R.G. Leslie, *Copenhagen, Denmark*
N. Ling, *Birmingham, U.K.*
M. Loken, *Mountain View, CA, U.S.A.*
R.M. Maini, *London, U.K.*
R.I. Mishell, *Berkeley, CA, U.S.A.*
E. Nardin, *New York, NY, U.S.A.*
C.F. Nathan, *New York, NY, U.S.A.*
J.J. Oppenheim, *Frederick, MD, U.S.A.*
T.A.E. Platts-Mills, *Charlottesville, VA, U.S.A.*
M. Rabinovitch, *New York, NY, U.S.A.*
K.B.M. Reid, *Oxford, U.K.*
G.E. Rodey, *St. Louis, MO, U.S.A.*
P. Rubinstein, *New York, NY, U.S.A.*
J. Sedgwick, *Würzburg, F.R.G.*
A.W. Segal, *London, U.K.*
E.M. Shevach, *Bethesda, MD, U.S.A.*
F. Sinigaglia, *Basel, Switzerland*
N. Staines, *London, U.K.*
R. Steinman, *New York, NY, U.S.A.*
M. Steward, *London, U.K.*
C.R. Stokes, *Bristol, U.K.*
D. Stollar, *Boston, MA, U.S.A.*
D. Stott, *Glasgow, U.K.*
R.A. Thompson, *Birmingham, U.K.*
R.C. Thorpe, *Potters Bar, U.K.*
H. Towbin, *Basel, Switzerland*
J.C. Unkeless, *New York, NY, U.S.A.*
R. Van Furth, *Leiden, The Netherlands*
J. Vilcek, *New York, NY, U.S.A.*
A. Voller, *London, U.K.*
D.M. Weir, *Edinburgh, U.K.*
P. Wilkinson, *Glasgow, U.K.*
F. Zavala, *New York, NY, U.S.A.*
S.B. Zolla-Pazner, *New York, NY, U.S.A.*

Subscription information

1990, Volumes 126–135 (10 volumes in 20 issues). Dfl. 3060.00 (US $1404.00) including postage and handling.

The Dutch guilder price is definitive. The US dollar price is subject to exchange rate fluctuations and is only given as a guide.

Journals are sent by surface delivery to all countries except the following countries where SAL delivery (Surface Airlifted Mail) is ensured: U.S.A., Canada, Japan, Australia, New Zealand, P.R. China, India, Israel, South Africa, Malaysia, Singapore, South Korea, Taiwan, Pakistan, Hong Kong, Brazil, Argentina, Mexico and Thailand. Airmail rates for other countries are available on request.

Subscription orders can be entered only by calendar year (January–December) and should be sent to: Elsevier Science Publishers B.V., Journals Department, P.O. Box 211, 1000 AE Amsterdam, The Netherlands, Telex 18582 ESPA NL, or to your usual subscription agent.

Claims for missing issues should be made within three months of publication, otherwise they cannot be honoured free of charge.

The publisher reserves the right to issue additional volumes during the course of the year. Such volumes will be invoiced before publication and delivered on receipt of payment.

In the U.S.A. and Canada: All questions arising after acceptance of a manuscript by the editor, especially those relating to proofs, publication and reprints, should be directed to the publishers, Elsevier Science Publishers B.V. (Biomedical Division), P.O. Box 1527, 1000 BM Amsterdam, The Netherlands. For further information, contact Elsevier Science Publishers, Co., Inc., Attn. Journal Information Center, 655 Avenue of the Americas, New York, NY 10010, U.S.A.; Tel. (212) 633-3750, Telefax (212) 633-3990, Telex 420-643 AEP UI.

Advertising information

Advertising orders and enquiries may be sent to: Elsevier Science Publishers B.V., Advertising Department, P.O. Box 211, 1000 AE Amsterdam, The Netherlands; Tel. (20) 5803 714.

JOURNAL OF IMMUNOLOGICAL METHODS

Indexes 1989

Editorial Board

R. Aalberse, *Amsterdam, The Netherlands*
V. Agnello, *Boston, MA, U.S.A.*
J.R. Archer, *London, U.K.*
S. Avrameas, *Paris, France*
R.S. Basch, *New York, NY, U.S.A.*
J.R. Battisto, *Cleveland, OH, U.S.A.*
H. Bennich, *Uppsala, Sweden*
A.E. Bolton, *Sheffield, U.K.*
F. Borek (Founding Editor), *Tel Aviv, Israel*
M.K. Brenner, *London, U.K.*
D. Brown, *Cambridge, U.K.*
J. Burnie, *Manchester, U.K.*
S. Challacombe, *London, U.K.*
S. Chantler, *Beckenham, U.K.*
N.R. Cooper, *La Jolla, CA, U.S.A.*
M. Denman, *Harrow, U.K.*
C.A. Dinarello, *Boston, MA, U.S.A.*
J. Fabre, *East Grinstead, U.K.*
A.J.H. Gearing, *Oxford, U.K.*
J. Goding, *Parkville, Australia*
J.G. Hall, *Sutton, U.K.*
F.C. Hay, *London, U.K.*
C.S. Hosking, *Parkville, Australia*
C.R. Howard, *London, U.K.*
M. Howe, *Brooklyn, NY, U.S.A.*
T. Ishizaka, *Baltimore, MD, U.S.A.*
K. James, *Edinburgh, U.K.*
G. Janossy, *London, U.K.*
R. Jefferis, *Birmingham, U.K.*
J.C. Jensenius, *Odense, Denmark*
G. Johnson, *Birmingham, U.K.*
A.P. Johnstone, *London, U.K.*
V. Jones, *Exeter, U.K.*
M. Kazatchkine, *Paris, France*
M.A. Kerr, *Dundee, U.K.*
S.C. Kinsky, *Denver, CO, U.S.A.*
S. Knight, *Harrow, U.K.*
H. Koprowski, *Philadelphia, PA, U.S.A.*
M. Lamm, *Cleveland, OH, U.S.A.*
J.J. Langone, *Houston, TX, U.S.A.*
R.G. Leslie, *Copenhagen, Denmark*
N. Ling, *Birmingham, U.K.*
M. Loken, *Mountain View, CA, U.S.A.*
R.M. Maini, *London, U.K.*
R.I. Mishell, *Berkeley, CA, U.S.A.*
E. Nardin, *New York, NY, U.S.A.*
C.F. Nathan, *New York, NY, U.S.A.*
J.J. Oppenheim, *Frederick, MD, U.S.A.*
T.A.E. Platts-Mills, *Charlottesville, VA, U.S.A.*
M. Rabinovitch, *New York, NY, U.S.A.*
K.B.M. Reid, *Oxford, U.K.*
G.E. Rodey, *St. Louis, MO, U.S.A.*
P. Rubinstein, *New York, NY, U.S.A.*
J. Sedgwick, *Würzburg, F.R.G.*
A.W. Segal, *London, U.K.*
E.M. Shevach, *Bethesda, MD, U.S.A.*
F. Sinigaglia, *Basel, Switzerland*
N. Staines, *London, U.K.*
R. Steinman, *New York, NY, U.S.A.*
M. Steward, *London, U.K.*
C.R. Stokes, *Bristol, U.K.*
D. Stollar, *Boston, MA, U.S.A.*
D. Stott, *Glasgow, U.K.*
R.A. Thompson, *Birmingham, U.K.*
R.C. Thorpe, *Potters Bar, U.K.*
H. Towbin, *Basel, Switzerland*
J.C. Unkeless, *New York, NY, U.S.A.*
R. Van Furth, *Leiden, The Netherlands*
J. Vilcek, *New York, NY, U.S.A.*
A. Voller, *London, U.K.*
D.M. Weir, *Edinburgh, U.K.*
P. Wilkinson, *Glasgow, U.K.*
F. Zavala, *New York, NY, U.S.A.*
S.B. Zolla-Pazner, *New York, NY, U.S.A.*

JOURNAL OF IMMUNOLOGICAL METHODS

editors: V. NUSSENZWEIG

Department of Pathology, New York University Medical Center, School of Medicine, New York, NY 10016, U.S.A.

M.W. TURNER

Department of Immunology, Institute of Child Health, University of London, 30 Guilford Street, London WC1N 1EH, U.K.

Author and Subject Indexes (1989) Volumes 116–125

ELSEVIER SCIENCE PUBLISHERS B.V. – AMSTERDAM

© 1990 Elsevier Science Publishers B.V. (Biomedical Division)
All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of the publisher, Elsevier Science Publishers B.V. (Biomedical Division), P.O. Box 1527, 1000 BM Amsterdam, The Netherlands.

No responsibility is assumed by the publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Because of the rapid advances in the medical sciences, the publisher recommends that independent verification of diagnoses and drug dosages should be made.

Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

Special regulations for authors. Upon acceptance of an article by the journal, the author(s) will be asked to transfer copyright of the article to the publisher. This transfer will ensure the widest possible dissemination of information.

Submission of a paper to this journal entails the author's irrevocable and exclusive authorization of the publisher to collect any sums or considerations for copying or reproduction payable by third parties (as mentioned in article 17, paragraph 2 of the Dutch Copyright Act of 1912, and in the Royal Decree of June 20, 1974 (S. 351) pursuant to article 16b of the Dutch Copyright Act of 1912) and/or to act in or out of Court in connection therewith.

Special regulations for readers in the U.S.A. This journal has been registered with the Copyright Clearance Center, Inc. Consent is given for copying of articles for personal or internal use, or for the personal use of specific clients. This consent is given on the condition that the copier pays through the Center the per-copy fee stated in the code on the first page of each article for copying beyond that permitted by sections 107 or 108 of the U.S. Copyright Law. The appropriate fee should be forwarded with a copy of the first page of the article to the Copyright Clearance Center, Inc., 27 Congress Street, Salem, MA 01970, U.S.A. If no code appears in an article, the author has not given broad consent to copy and permission to copy must be obtained directly from the author. All articles published prior to 1980 may be copied for a per-copy fee of U.S. $2.25, also payable through the Center. This consent does not extend to other kinds of copying, such as for general distribution, resale, advertising and promotion purposes, or for creating new collective works. Special written permission must be obtained from the publisher for such copying.

This journal is printed on acid-free paper.

Printed in The Netherlands

Author Index
Volumes 116–125
1989

A

Abe, M., see Taki, S. (122) 33
Abrams, J.S., see Chrétien, I. (117) 67
Abts, H., Emmerich, M., Miltenyi, S., Radbruch, A. and Tesch, H.
CD20 positive human B lymphocytes separated with the magnetic cell sorter (MACS) can be induced to proliferation and antibody secretion in vitro (125) 19
Adolf, G., see Andersson, U. (123) 233
Aeppli, R.E., Bargetzi, M.J. and Binz, H.
Diagnostic screening of multiple antigen-antibody reactions in a new single assay on nitrocellulose: the line immunobinding assay (LIBA) (120) 93
Agopian, M.S., see Boctor, F.N. (120) 167
Aihara, M., see Schmidt-Wolf, I.G.H. (125) 185
Akatsuka, J., see Uchiyama, H. (117) 199
Akiyama, Y., see Ota, F. (124) 259
Al-Abdulla, I.H., Mellor, G.W., Childerstone, M.S., Sidki, A.M. and Smith, D.S.
Comparison of three different activation methods for coupling antibodies to magnetisable cellulose particles (122) 253
Alcolea, J.M., see Sánchez-Corral, P. (122) 105
Alessio, M., see Peruzzi, L. (123) 113
Alexopoulos, A., see Storch, M.-J. (119) 53
Allison, A.C., see Kenney, J.S. (121) 157
Alm, G., see Andersson, G. (125) 89
Anderson, C.S., see Bartholomeusz, R.C.A. (117) 247
Andersson, G., Ekre, H.-P.T., Alm, G. and Perlmann, P.
Monoclonal antibody two-site ELISA for human IFN-γ. Adaptation for determinations in human serum or plasma (125) 89
Andersson, U., Adolf, G., Dohlsten, M., Möller, G. and Sjögren, H.-O.
Characterization of individual tumor necrosis factor α- and β-producing cells after polyclonal T cell activation (123) 233
Andersson, U., see Halldén, G. (124) 103
Andrade, J.D., see Lin, J.N. (125) 67
Andrews, K.M., see Man, N.t. (125) 251
Antón, L.C., see Sánchez-Corral, P. (122) 105
Antony, A., see Vaishnav, Y.N. (118) 25
Archer, J.R., see O'Hara, B.P. (116) 175
Arnaiz-Villena, A., see Segurado, O.G. (117) 9
Arruda, L.K., see Luczynska, C.M. (118) 227
Arumäe, U., Neuman, T., Sinijärv, R. and Saarma, M.
Sensitive time-resolved fluoroimmunoassay of nerve growth factor and the disappearance of nerve growth factor from rat pheochromocytoma PC12 cell culture medium (122) 59
Asghar, S.S., Schraag, B., Backhaus, A.H.L., Zorn, I., Venneker, G.T. and Hannema, A.J.
A new method for the estimation of C3d. Affinity clearance of C-determinant-bearing C3 molecules and fragments followed by estimation of C3d by ELISA (120) 207
Asghar, S.S., Schraag, B., Venneker, G.T. and Van Meegen, M.
Reply to the letter of Senaldi et al. (124) 285
Ashmore, L.M., Shopp, G.M. and Edwards, B.S.
Lymphocyte subset analysis by flow cytometry. Comparison of three different staining techniques and effects of blood storage (118) 209
Azuma, J., see Sato, H. (118) 161

B

Backhaus, A.H.L., see Asghar, S.S. (120) 207
Bacon, P.A., see Pilling, D. (122) 235
Bader, A., see Schäfer, H. (118) 169
Bagshawe, K.D., see Kardana, A. (118) 53
Bailey, J.E., see Meilhoc, E. (121) 167
Baldari, C., see Bigio, M. (123) 1
Baldwin, R.W., see Demignot, S. (121) 209
Balint, Jr., J., Totorica, C., Stewart, J. and Cochran, S.
Detection, isolation and characterization of staphylococcal enterotoxin B in protein A preparations purified by immunoglobulin G affinity chromatography (116) 37
Banchereau, J., see Chrétien, I. (117) 67
Bank, S., see Chrispeels, J. (125) 5
Bankhurst, A.D., see Garcia-Peñarrubia, P. (118) 199
Bankhurst, A.D., see Garcia-Peñarrubia, P. (122) 177
Bannister, J., see Marini, S. (120) 57
Bargetzi, M.J., see Aeppli, R.E. (120) 93
Barka, N.E., see Boctor, F.N. (120) 167
Barkley, D., Feldmann, M. and Maini, R.N.
The detection by immunofluorescence of distinct cell populations producing interleukin-1α and interleukin-1β in activated human peripheral blood (120) 277
Barlett, R., see Pallavicini, M.G. (117) 99
Barrett, D.J., see Faulmann, E.L. (123) 269
Bartholomeusz, R.C.A., LaBrooy, J.T., Ey, P.L., Di Matteo, A.C., Daniels, D.A., Anderson, C.S. and Rowley, D.
Assays for total and antigen-specific polymeric IgA in serum based on binding to secretory component (117) 247
Basgen, J.M., Nevins, T.E. and Michael, A.F.
Quantitation of antigen in tissue by immunofluorescence image analysis (124) 77
Bast, B.J.E.G., see De Lau, W.B.M. (117) 1
Bath, P.M.W., Booth, R.F.G. and Hassall, D.G.
Monocyte-lymphocyte discrimination in a new microtitre-based adhesion assay (118) 59
Bator, J.M. and Reading, C.L.
Measurement of antibody affinity for cell surface antigens using an enzyme-linked immunosorbent assay (125) 167
Bauer, J., see Northoff, H. (116) 147
Baumgarten, H. and Kürzinger, K.
Designation of antibodies and their derivatives. Suggestions for a general nomenclature – A discussion document (122) 1

Bazin, H., see Kints, J.-P. (119) 241
Bazin, R. and Lemieux, R.
Increased proportion of B cell hybridomas secreting monoclonal antibodies of desired specificity in cultures containing macrophage-derived hybridoma growth factor (IL-6) (116) 245
Becker, C.-M., see Von Knebel Doeberitz, M. (122) 259
Beckwith, M., Moratz, C.M., Young, H.A. and Mathieson, B.J.
Analysis of isotype switch variants of a Qa-5 specific hybridoma (123) 249
Befus, D., see DenHollander, N. (122) 129
Bellabarba, G., see Serafini-Cessi, F. (120) 185
Belleville, F., see Derouiche, F. (125) 13
Bellinati-Pires, R., Melki, S.E., Colletto, G.M.D.D. and Carneiro-Sampaio, M.M.S.
Evaluation of a fluorochrome assay for assessing the bactericidal activity of neutrophils in human phagocyte dysfunctions (119) 189
Bellone, G., see Peruzzi, L. (123) 113
Benner, R., see Vos, Q. (122) 43
Bentzon, M.W., see Hasløv, K. (120) 85
Berg, K., see Hansen, M.B. (119) 203
Bergelson, L.D., see Tertov, V.V. (118) 139
Bergh, K. and Iversen, O.J.
Intra-assay complement activation may falsely indicate the presence of chemotactic factors in a test plasma or serum (123) 147
Berghman, L.R., Horsten, G. and Vandesande, F.
Development of a novel screening device permitting immunocytochemical screening of numerous culture supernatants during hybridoma production (125) 225
Berglund, D.L. and Starkey, J.R.
Isolation of viable tumor cells following introduction of labelled antibody to an intracellular oncogene product using electroporation (125) 79
Berry, A.K., see Childers, N.K. (119) 135
Berzins, K., see Ståhl, S. (124) 43
Bessoule, J.-J., see Maneta-Peyret, L. (122) 155
Beuvery, E.C., see Jiskoot, W. (124) 143
Beuvery, E.C., see Peeters, J.M. (120) 133
Bhagwat, S., see Psychoyos, S. (124) 189
Bhakdi, S., Roth, M. and Hugo, F.
Biotinylation: a simple method for labelling complement component C8 with preservation of functional activity (121) 61
Bigelow, J.C., Giddings, J.C., Nabeshima, Y., Tsuruta, T., Kataoka, K., Okano, T., Yui, N. and Sakurai, Y.
Separation of B and T lymphocytes by a hybrid field-flow fractionation/adhesion chromatography technique (117) 289
Bigio, M., Rossi, R., Borri, M.G., Casagli, M.C., Nucci, D., Baldari, C., Volpini, G. and Boraschi, D.
One-step immunoaffinity purification of bioactive human recombinant IL-1β with a monoclonal antibody directed to a well-exposed domain of the protein (123) 1
Bignold, L.P.
Use of sparse-pore polycarbonate (Nuclepore) membrane for the measurement of chemotaxis of polymorphonuclear leukocytes. Comparison of 'micro-Boyden' chambers and estimation of 'drop-off' of cells (118) 217
Bindseil, W., see Tarcha, P.J. (125) 243
Binz, H., see Aeppli, R.E. (120) 93
Biou, D., Daveau, M., Rigal, O., Hiron, M., Porquet, D. and Lebreton, J.-P.
An enzyme-linked immunoassay for the measurement of rat α_1-acid glycoprotein synthesized by cultured hepatocytes (125) 1
Bishara, A. and Brautbar, C.
A sensitive and specific ELISA using monoclonal capture antibodies for the detection of HLA antigens in blood stains (120) 99
Bitter-Suermann, D., see Chrispeels, J. (125) 5
Bjerknes, R., see Sjursen, H. (116) 235
Blackwood, L.L., see McHugh, T.M. (116) 213
Blanc, M., see Kaiserlian, D. (122) 243
Blaser, K., see Rieben, R. (119) 1
Bloemena, E., Roos, M.T.L., Van Heijst, J.L.A.M., Vossen, J.M.J.J. and Schellekens, P.T.A.
Whole-blood lymphocyte cultures (122) 161
Bloemhoff, W., see Van der Ploeg, J.R. (124) 211
Bloom, J.W., Wong, M.F. and Mitra, G.
Detection and reduction of Protein A contamination in immobilized Protein A purified monoclonal antibody preparations (117) 83
Blume, K.G., see Schmidt-Wolf, I.G.H. (125) 185
Bobrow, M.N., Harris, T.D., Shaughnessy, K.J. and Litt, G.J.
Catalyzed reporter deposition, a novel method of signal amplification. Application to immunoassays (125) 279
Bochner, B.S., McKelvey, A.A., Schleimer, R.P., Hildreth, J.E.K. and MacGlashan, Jr., D.W.
Flow cytometric methods for the analysis of human basophil surface antigens and viability (125) 265
Boctor, F.N., Barka, N.E. and Agopian, M.S.
Quantitation of IgG antibody to *Streptococcus pneumoniae* vaccine by ELISA and FAST-ELISA using tyraminated antigen (120) 167
Boguslawski, S.J., Ledden, D.J. and Fredrickson, R.A.
Improved procedure for preparation of $F(ab')_2$ fragments of mouse IgGs by papain digestion (120) 51
Bombardieri, S., see Wu, D.-H. (121) 219
Bonmann, J., see Lemke, H. (121) 175
Boobis, A.R., see Edwards, R.J. (117) 215
Booth, R.F.G., see Bath, P.M.W. (118) 59
Boraschi, D., see Bigio, M. (123) 1
Borecký, L., see Kontsek, P. (116) 145
Börmer, O.P.
Interference of complement with the binding of carcinoembryonic antigen to solid-phase monoclonal antibodies (121) 85
Borrebaeck, C.A.K.
Strategy for the production of human monoclonal antibodies using in vitro activated B cells (123) 157
Borri, M.G., see Bigio, M. (123) 1
Boscato, L.M., Egan, G.M. and Stuart, M.C.
Specificity of two-site immunoassays (117) 221
Bosnes, V., Halvorsen, R., Gaudernack, G. and Thorsby, E.

Isolation of functionally active T cell receptor γδ-bearing lymphocytes from human peripheral blood (118) 251
Bouillot, M., Choppin, J. and Levy, J.-P.
Specific and sensitive detection of purified HLA molecules in an ELISA using mouse, rabbit and human anti-HLA antibodies (116) 189
Bou, J.M., see Derouiche, F. (125) 13
Boyle, M.D.P., see Faulmann, E.L. (123) 269
Brautbar, C., see Bishara, A. (120) 99
Bristow, A.F., see Poole, S. (116) 259
Brodeur, B.R., see Douma, R. (124) 197
Brown, D.W., Kim, Y.T. and Siskind, G.W.
The influence of immune complexes, steric effects, and antigen-antigen interactions on the sensitivity of enzyme-linked immunosorbent assays (116) 45
Brown, J., see Prowse, C. (118) 91
Brown, M.J., see Cromie, R.L. (122) 195
Brown, T.A. and Leak, I.G.
A solid-phase immunoassay for detection of IgA1 protease activity on agar plates (123) 241
Brumfitt, W., see Gargan, R.A. (124) 289
Brumley, Jr., R.L., see Levine, M. (119) 211
Bruning, P.F., see Ossendorp, F.A. (120) 191
Buchs, J.-P. and Nydegger, U.E.
Development of an ABO-ELISA for the quantitation of human blood group anti-A and anti-B IgM and IgG antibodies (118) 37
Buettner, H.M., Lauffenburger, D.A. and Zigmond, S.H.
Measurement of leukocyte motility and chemotaxis parameters with the Millipore filter assay (123) 25
Bujard, H., see Früh, K. (122) 25
Bullen, H. and Wilkin, T.J.
An enzyme-linked immunosorbent assay (ELISA) for urinary growth hormone suitable for use in the routine laboratory. The Wessex Growth Study (121) 247
Burger, R., see Schäfer, H. (118) 169
Burger, R., see Zilow, G. (121) 261
Burnie, J.P. and Clark, I.
Diagnosing endocarditis with the cloned 112 kDa antigen of *Enterococcus faecalis* (123) 217
Burnie, J.P., Matthews, R.C., Clark, I. and Milne, L.J.R.
Immunoblot fingerprinting *Aspergillus fumigatus* (118) 179
Buschmann, H. and Winter, M.
Assessment of phagocytic activity of granulocytes using laser flow cytometry (124) 231
Butler, L.D., see Mohler, K.M. (121) 67
Bygren, P., see Saxena, R. (118) 73

C

Cacalano, N.A., Cleveland, W.L. and Erlanger, B.F.
Antibodies to cyclosporine A (CsA) by a novel route and their use to monitor cyclosporine levels by radioimmunoassay (RIA) (118) 257
Callander, A., see Stewart, F. (119) 269
Cambiaso, C.L. and Limet, J.N.
Latex agglutination assay for human anti-*Brucella* IgM antibodies (122) 169
Cambridge, G., see Hutchings, P.R. (120) 1
Campbell, P.A., see Stedman, K.E. (119) 291
Cantinieaux, B., Hariga, C., Courtoy, P., Hupin, J. and Fondu, P.
Staphylococcus aureus phagocytosis. A new cytofluorometric method using FITC and paraformaldehyde (121) 203
Capel, P.J.A., see Van den Berg, C.W. (122) 73
Capiaumont, J., see Derouiche, F. (125) 13
Capsoni, F., Minonzio, F., Ongari, A.M. and Zanussi, C.
A new simplified single-filter assay for 'in vitro' evaluation of chemotaxis of ^{51}Cr-labeled polymorphonuclear leukocytes (120) 125
Carneiro-Sampaio, M.M.S., see Bellinati-Pires, R. (119) 189
Carr, R.I., see Verrier Jones, J. (118) 79
Cartwright, A.J., see Man, N.t. (125) 251
Casagli, M.C., see Bigio, M. (123) 1
Casey, C., see Wilkin, T. (122) 123
Cassagne, C., see Maneta-Peyret, L. (122) 155
Cassano, W.F.
Murine monoclonal anti-avidin antibodies enhance the sensitivity of avidin-biotin immunoassays and immunohistologic staining (117) 169
Celada, F., see Görög, G. (123) 131
Certa, U., see Guttinger, M. (121) 225
Chakraborti, R., see Jagannadha Rao, A. (125) 261
Chang, I.-N., see Lin, J.N. (125) 67
Chang, T.H., see Hong, T.-H. (120) 151
Chao, N.J., see Schmidt-Wolf, I.G.H. (125) 185
Chapman, M.D., see Luczynska, C.M. (118) 227
Chardonnet, Y., see Guérin-Reverchon, I. (123) 167
Chen, S.-T., see Hong, T.-H. (120) 151
Cheng, H.-M., Ngeow, Y.-F. and Sam, C.-K.
Heat inactivation of serum potentiates anti-cardiolipin antibody binding in ELISA (124) 235
Chercuitte, F., see Grassi, J. (123) 193
Chersi, A., Ruocco, E. and Muratti, E.
Preparation and properties of gel-peptide immunoadsorbents (122) 285
Chevrier, D., see Traincard, F. (123) 83
Chignol, M.C., see Guérin-Reverchon, I. (123) 167
Childers, N.K., Michalek, S.M., Eldridge, J.H., Denys, F.R., Berry, A.K. and McGhee, J.R.
Characterization of liposome suspensions by flow cytometry (119) 135
Childerstone, M.S., see Al-Abdulla, I.H. (122) 253
Choi, E.C., see Kim, W.B. (125) 273
Chong, D., see Penney, C.L. (123) 185
Chong, H.O., see McHugh, T.M. (116) 213
Choppin, J., see Bouillot, M. (116) 189
Choy, W.-F., see Lim, P.-L. (117) 137
Choy, W.-F., see Lim, P.-L. (117) 267
Chrétien, I., Van Kimmenade, A., Pearce, M.K., Banchereau, J. and Abrams, J.S.

Development of polyclonal and monoclonal antibodies for immunoassay and neutralization of human interleukin-4 (117) 67
Chrispeels, J., Bank, S., Rittner, C. and Bitter-Suermann, D.
Sandwich enzyme-linked immunosorbent assays for the quantification of the C4 isotypes (C4A and C4B) in human plasma (125) 5
Chu, V.P., see Tarcha, P.J. (125) 243
Chung, Y.-s., see Ho, J.J.L. (125) 97
Ciclitira, P.J., see Ellis, H.J. (120) 17
Claas, F.H.J., see Zhang, L. (121) 39
Clark, I., see Burnie, J.P. (118) 179
Clark, I., see Burnie, J.P. (123) 217
Clarke, D.J., see Jepras, R.I. (120) 201
Clarke, S.M.
Translocation of serum proteins adsorbed to immunological microsticks (118) 145
Cleveland, W.L., see Cacalano, N.A. (118) 257
Coakley, W.T., see Jepras, R.I. (120) 201
Cochran, S., see Balint, Jr., J. (116) 37
Cohen, M.P. and Hud, E.
Production and characterization of monoclonal antibodies against human glycoalbumin (117) 121
Cohen, M.P. and Hud, E.
Measurement of plasma glycoalbumin levels with a monoclonal antibody based ELISA (122) 279
Colborn, D., Rinehart, J., Zwilling, B. and Irr, J.
Expansion of lymphokine-activated killer cells for clinical use utilizing a novel culture device (119) 247
Colcher, D., see Milenic, D.E. (120) 71
Collet-Cassart, D., Van den Abbeele, E. and Poncelet, S.
A quantitative C-reactive protein assay using latex agglutination in microtiter plates (125) 137
Collet-Cassart, D., see Mathieu, F. (120) 65
Colletto, G.M.D.D., see Bellinati-Pires, R. (119) 189
Collins, R.J., Neil, J.C., Druery, L.N. and Wilson, R.J.
Detection of antibodies to extractable nuclear antigens using calf thymus and rabbit thymus. A comparative study of 1000 consecutive anti-nuclear antibody positive patients (116) 53
Colsky, A.S. and Peacock, J.S.
Palmitate-derivatized antibodies can function as surrogate receptors for mediating specific cell-cell interactions (124) 179
Comani, S., see Vitale, M. (121) 115
Comis, A., see Fischer, P.M. (118) 119
Cooke, A., see Hutchings, P.R. (120) 1
Corradin, G., see Demotz, S. (122) 67
Courtoy, P., see Cantinieaux, B. (121) 203
Crespeau, H., see Rochu, D. (118) 67
Crisanti, A., see Früh, K. (122) 25
Cromie, R.L., Stanford, J.L., Brown, M.J. and Price, D.J.
The transport and culture conditions for optimum transformation responses of wildfowl lymphocytes to mycobacterial antigens (122) 195
Crommelin, D.J.A., see Jiskoot, W. (124) 143

D

Dabrowski, M., see Galkowska, H. (116) 207
Dailey, M.O., see Jung, T.M. (121) 9
Dall'Olio, F., see Serafini-Cessi, F. (120) 185
Damiani, G., see Perutelli, P. (123) 227
Daniels, D.A., see Bartholomeusz, R.C.A. (117) 247
Dannhorn, D.R., Wirth, B. and Kirchner, C.
Purification of uteroglobin using monospecific antibodies coupled to divinylsulphone-activated agarose (119) 223
Darke, C., see Young, N.T. (122) 143
Das, P.K., see Van der Loos, C.M. (117) 45
Dasch, G.A., see Raoult, D. (125) 57
Däumler, R. and Zimmermann, U.
High yields of stable transformants by hypo-osmolar plasmid electroinjection (122) 203
Daveau, M., see Biou, D. (125) 1
Davies, D.E. and Lloyd, J.B.
Monocyte-to-macrophage transition in vitro. A systematic study using human cells isolated by fractionation on Percoll (118) 9
Davies, D.S., see Edwards, R.J. (117) 215
Dayer, J.-M., see Grassi, J. (123) 193
De Beer, M., see Erich, T. (118) 17
De Boer, M., Ossendorp, F.A., Van Duijn, G., Ten Voorde, G.H.J. and Tager, J.M.
Optimal conditions for the generation of monoclonal antibodies using primary immunisation of mouse splenocytes in vitro under serum-free conditions (121) 253
De Boer, M., see Ossendorp, F.A. (120) 191
De Fraissinette, A., see Staquet, M.-J. (116) 287
De Josselin De Jong, J.E., see Savelkoul, H.F.J. (116) 277
Dekker, B., see Erich, T. (118) 17
De Lau, W.B.M., Van Loon, A.E., Heije, K., Valerio, D. and Bast, B.J.E.G.
Production of hybrid hybridomas based on HAT^s-$neomycin^r$ double mutants (117) 1
De Leij, L., see Hoven, M.Y. (117) 275
De Leij, L.F.M.H., see Van der Voort, L.H.M. (121) 95
Demignot, S., Garnett, M.C. and Baldwin, R.W.
Mouse IgG2b monoclonal antibody fragmentation. Preparation and purification of Fab, Fc and Fab/c fragments (121) 209
De Monte, L.B., see Peruzzi, L. (123) 113
Demotz, S., Matricardi, P., Lanzavecchia, A. and Corradin, G.
A novel and simple procedure for determining T cell epitopes in protein antigens (122) 67
DenHollander, N. and Befus, D.
Loss of antigens from immunoblotting membranes (122) 129
Denys, F.R., see Childers, N.K. (119) 135

Derouiche, F., Bour, J.M., Legrand, C., Capiaumont, J., Belleville, F., Linden, G. and Nabet, P.
Improved long-term storage of hybridomas at −80°C using a bovine milk derivative (125) 13
Dessi, V., see Görög, G. (123) 131
Detmers, P.A., see Persechini, P.M. (124) 7
De Weck, A.L., see Maly, F.-E. (122) 91
Dezutter-Dambuyant, C., see Staquet, M.-J. (116) 287
Dibbelt, L., see Gloning, K. (122) 185
Di Matteo, A.C., see Bartholomeusz, R.C.A. (117) 247
Dinarello, C.A., see Schindler, R. (116) 159
Dohlsten, M., see Andersson, U. (123) 233
Dong, G.-j., see Liu, Y.-c. (124) 159
Döpel, S.-H., Porstmann, T., Grunow, R., Jungbauer, A. and Von Baehr, R.
Application of a human monoclonal antibody in a rapid competitive anti-HIV ELISA (116) 229
Doran, M. and Reen, D.J.
Analysis of complement Factor B activation by PAGE-immunoblotting (118) 237
Dorshkind, K., Johnson, A., Harrison, Y. and Landreth, K.S.
A colony assay system that detects B cell progenitors in fresh and cultured bone marrow (123) 93
Douglas, G.C. and King, B.F.
Isolation of pure villous cytotrophoblast from term human placenta using immunomagnetic microspheres (119) 259
Douma, R., Dular, R., Brodeur, B.R. and Kasatiya, S.S.
Development and application of monoclonal antibodies for the detection of cell infecting mycoplasmas (124) 197
Dray, F., see Ezan, E. (122) 291
Dreskin, S.C., see Kirshenbaum, A.S. (123) 55
Drieu, K., see Ezan, E. (122) 291
Drijfhout, J.W., see Van der Ploeg, J.R. (124) 211
Dritschilo, A., see Prasad, S. (116) 79
Druery, L.N., see Collins, R.J. (116) 53
Drzonek, H., see Von Knebel Doeberitz, M. (122) 259
Dubois, D.Y. and Malmendier, C.L.
Characterization of anti-apolipoprotein A-I monoclonal antibodies and their use in the measurement of apolipoprotein A-I by a two-site enzyme immunoassay (125) 215
Dular, R., see Douma, R. (124) 197
Dunnette, S.L., see Krenik, K.D. (117) 91
Durnin, S., see Kemeny, D.M. (120) 251

E

Eaton, L.C.
Quantitation of putative glycoprotein X in bioengineered pseudorabies vaccine virus culture medium by ELISA (118) 125
Eckmann, C.M., see Kuypers, T.W. (124) 85
Edberg, J.C., see Tosic, L. (120) 241
Edmundson, H.M., see Jones, G.L. (123) 211
Edwards, B.S., see Ashmore, L.M. (118) 209
Edwards, R.J., Singleton, A.M., Boobis, A.R. and Davies, D.S.
Cross-reaction of antibodies to coupling groups used in the production of anti-peptide antibodies (117) 215
Egan, G.M., see Boscato, L.M. (117) 221
Eggleton, P., Gargan, R. and Fisher, D.
Rapid method for the isolation of neutrophils in high yield without the use of dextran or density gradient polymers (121) 105
Ehle, H., Gödicke, C. and Horn, A.
A new graphical method for determining the affinity constants of monoclonal antibodies to enzymes (117) 17
Einarsson, R., Inganäs, M., Karlsson, T. and Persson, B.
Detection of IgG4 antibodies by immunoblotting in patients on vespid venom immunotherapy (120) 265
Ekre, H.-P.T., see Andersson, G. (125) 89
Eldridge, J.H., see Childers, N.K. (119) 135
Elliott, P.J., Ribeiro-da-Silva, A. and Kenigsberg, R.L.
Immunocytochemical use of internally radiolabelled monoclonal antibodies against tyrosine hydroxylase, substance P and enkephalin (123) 141
Ellis, H.J., Freedman, A.R. and Ciclitira, P.J.
The production and characterisation of monoclonal antibodies to wheat gliadin peptides (120) 17
Elsbury, S., see Pullman, W.E. (117) 153
Emmerich, M., see Abts, H. (125) 19
Englefield, P., see Wilkin, T. (122) 123
Erich, T., Dekker, B., De Beer, M., Torensma, R. and Verhoef, J.
In vitro stimulation of immune spleen cells enhances the number of anti-lipid A-producing hybridomas (118) 17
Erlanger, B.F., see Cacalano, N.A. (118) 257
Esen, A., see Mohammad, K. (117) 141
Eskandari, M.K., Kunkel, S.L. and Remick, D.G.
Effects of arachidonic acid metabolites and other compounds on the CTLL assay for interleukin-2 (118) 85
Esteban, J.M., see Milenic, D.E. (120) 71
Evans, O.M., see Horton, J.K. (124) 225
Evelegh, M., see Penney, C.L. (123) 185
Ey, P.L., see Bartholomeusz, R.C.A. (117) 247
Ezan, E., Drieu, K. and Dray, F.
Triton X-100 eliminates plasma proteins interference in a radioimmunoassay for luteinizing hormone-releasing hormone (LHRH) and LHRH analogues (122) 291

F

Falcieri, E., see Vitale, M. (121) 115
Fandeur, T., Gysin, J. and Postal, J.M.
A two-site sandwich immunoradiometric assay of squirrel monkey (*Saimiri sciureus*) IgM using monoclonal antibodies (118) 109

Farrar, L., see Harel-Bellan, A. (119) 127
Faulmann, E.L., Otten, R.A., Barrett, D.J. and Boyle, M.D.P.
Immunological applications of type III Fc binding proteins. Comparison of different sources of protein G (123) 269
Feijlbrief, M., see Van der Ploeg, J.R. (124) 211
Felber, E., see Zwirner, J. (124) 121
Feldmann, M., see Barkley, D. (120) 277
Feucht, H.E., see Zwirner, J. (124) 121
Figdor, C.G., see Klomp, J.P.G. (118) 47
Fine, A., see Rochu, D. (118) 67
Fine, J.-M., see Rochu, D. (118) 67
Fischer, P.M., Comis, A. and Howden, M.E.H.
Direct immunization with synthetic peptidyl-polyamide resin. Comparison with antibody production from free peptide and conjugates with carrier proteins (118) 119
Fisher, D., see Eggleton, P. (121) 105
Fisher, S., see Wei, W.-Z. (122) 227
Flegel, W.A., see Northoff, H. (116) 147
Fluit, A.C., see Van Kessel, K.P.M. (118) 279
Flynn, J.N., Harkiss, G.D. and Hopkins, J.
Generation of a sheep × mouse heterohybridoma cell line (1C6.3a6T.1D7) and evaluation of its use in the production of ovine monoclonal antibodies (121) 237
Fomsgaard, A., see Kronborg, G. (122) 51
Fondu, P., see Cantinieaux, B. (121) 203
Fong, T.A.T., see Mosmann, T.R. (116) 151
Fonteneau, P., see Klein-Schneegans, A.-S. (119) 117
Fonteneau, P., see Klein-Schneegans, A.-S. (125) 207
Foung, S.K.H. and Perkins, S.
Electric field-induced cell fusion and human monoclonal antibodies (116) 117
Foxwell, B.M.J., Taylor, D., Greiner, B., Mihatsch, M.J., Olivieri, V. and Ryffel, B.
Biotinylated recombinant interleukin-2. A tool for research on the interleukin-2 receptor (117) 147
Franchimont, P., see Malaise, M.G. (119) 231
Frank, M.M., see Pilatte, Y. (120) 37
Franzblau, C., see Sipe, J.D. (125) 125
Fredrickson, R.A., see Boguslawski, S.J. (120) 51
Freedman, A.R., see Ellis, H.J. (120) 17
Freyburger, G., see Maneta-Peyret, L. (122) 155
Fries, L.F., see Pilatte, Y. (120) 37
Frobert, Y., see Grassi, J. (123) 193
Früh, K., Müller, H.-M., Bujard, H. and Crisanti, A.
A new tool for the serodiagnosis of acute *Plasmodium falciparum* malaria in individuals with primary infection (122) 25
Fu, S.M., see Jung, L.K.L. (116) 137
Füglistaller, P.
Comparison of immunoglobulin binding capacities and ligand leakage using eight different protein A affinity chromatography matrices (124) 171
Fujii, K., Tsuji, M., Murota, K., Terato, K., Shimozuru, Y. and Nagai, Y.
An improved enzyme-linked immunosorbent assay of anti-collagen antibodies in human serum (124) 63
Fujino, M., see Suzuki, N. (118) 245
Fujita, M., see Natsukari, N. (125) 159
Fukuda, M., see Kimura, A. (116) 99
Fukui, K., see Ota, F. (124) 259
Fukumori, Y., see Takata, Y. (117) 107
Fukushima, M., see Motojima, H. (118) 187
Fuller, S.A., see Stewart, S.S. (123) 45
Funaro, A., see Peruzzi, L. (123) 113
Furuta, R., see Sunahara, N. (119) 75

G

Gaffney, E.V., Stoner, C.R., Lingenfelter, S.E. and Wagner, L.A.
Demonstration of IL-1α and IL-1β secretion by the monocytic leukemia cell line, THP-1 (122) 211
Gale, J., see Jones, G.L. (123) 211
Galkowska, H., Dabrowski, M. and Olszewski, W.L.
A single step centrifugation method for the enrichment of veiled cells from canine afferent lymph (116) 207
Gallacher, G., see Mellor, G.W. (118) 101
Gallin, J.I., see Sechler, J.M.G. (119) 277
Gallinella, G., see Gentilomi, G. (125) 177
Gandolfi, A., see Görög, G. (123) 131
Garcia-Peñarrubia, P. and Bankhurst, A.D.
Quantitation of effector-target affinity in the human NK cell and K562 tumor cell system (122) 177
Garcia-Peñarrubia, P., Koster, F.T. and Bankhurst, A.D.
The maximum conjugate frequency (α_{max}) characterizes killer cell populations (118) 199
Gargan, R., see Eggleton, P. (121) 105
Gargan, R.A., Brumfitt, W. and H. milton-Miller, J.M.T.
Failure of water to lyse polymorphonuclear neutrophils completely. Role of pH and implications for assessment of bacterial killing (124) 289
Garnett, M.C., see Demignot, S. (121) 209
Garovoy, M.R., see Lim, V.L. (121) 197
Garred, P., Mollnes, T.E., Lea, T. and Lachmann, P.J.
Enzyme immunoassay detection of circulating immune complexes by monoclonal antibodies to C3 neoepitopes with special reference to IgG concentration and to interfering anti-immunoglobulin antibodies (117) 59
Garwes, D.J., see Stewart, F. (119) 269
Garzelli, C., see Wu, D.-H. (121) 219
Gaudernack, G., see Bosnes, V. (118) 251
Gauldie, J., see Penney, C.L. (123) 185
Gavériaux, C., see Klein-Schneegans, A.-S. (119) 117
Gebicke-Haerter, P.J., see Northoff, H. (116) 147
Geerligs, H.J., Weijer, W.J., Welling, G.W. and Welling-Wester, S.
The influence of different adjuvants on the immune response to a synthetic peptide comprising amino acid residues 9–21 of herpes simplex virus type 1 glycoprotein D (124) 95

Gentilomi, G., Musiani, M., Zerbini, M., Gallinella, G., Gibellini, D. and La Placa, M.
A hybrido-immunocytochemical assay for the in situ detection of cytomegalovirus DNA using digoxigenin-labeled probes (125) 177
Gentle, T.A., see Hansel, T.T. (122) 97
George, E., see Prowse, C. (118) 91
Giardina, B., see Marini, S. (120) 57
Gibellini, D., see Gentilomi, G. (125) 177
Gibson, U.E.M. and Kramer, S.M.
Enzyme-linked bio-immunoassay for IFN-γ by HLA-DR induction (125) 105
Giddings, J.C., see Bigelow, J.C. (117) 289
Gillette, R.W., Singleton, J., Janowicz, A. and Gilman, S.C.
Development and characterization of monoclonal antibodies with specificity for metallic radioisotope chelators linked to antibodies and other proteins (124) 277
Gillies, S.D., Lo, K.-M. and Wesolowski, J.
High-level expression of chimeric antibodies using adapted cDNA variable region cassettes (125) 191
Gilman, S.C., see Gillette, R.W. (124) 277
Givan, A.L., see Rigg, K.M. (123) 177
Gjika, H.B., see Levine, L. (124) 239
Glasel, J.A., see Miller III, A. (125) 35
Gleich, G.J., see Krenik, K.D. (117) 91
Gloning, K., Dibbelt, L. and Kuss, E.
2- and 4-iodinated estriol as indicator ligands for estriol radioimmunoassays with anti-estriol-C6 conjugate antiserum (122) 185
Gödicke, C., see Ehle, H. (117) 17
Golubev, A. and Sidorova, E.
The use of targetted liposomes to isolate cells bearing immunoglobulin receptors (125) 29
Gonnerman, W.A., see Sipe, J.D. (125) 125
Gorny, M.K., see Xu, J.-Y. (120) 179
Görög, G., Gandolfi, A., Paradisi, G., Rolleri, E., Klasen, E., Dessi, V., Strom, R. and Celada, F.
Use of bispecific hybrid antibodies for the development of a homogeneous enzyme immunoassay (123) 131
Götze, O., see Hebell, T. (123) 283
Grant, J.A., see Lett-Brown, M.A. (117) 163
Grassi, J., Frobert, Y., Pradelles, P., Chercuitte, F., Gruaz, D., Dayer, J.-M. and Poubelle, P.E.
Production of monoclonal antibodies against interleukin-1α and -1β. Development of two enzyme immunometric assays (EIA) using acetylcholinesterase and their application to biological media (123) 193
Grasso, R.J., see Ragsdale, R.L. (123) 259
Gray, A.G., Morgan, J., Linch, D.C. and Huehns, E.R.
Enhanced fluorescence in indirect immunophenotyping by the use of fluorescent liposomes (121) 1
Greenwood, B., see Hickling, K.C. (116) 19
Gregory, R.L., see Lassiter, M.O. (123) 63
Greiner, B., see Foxwell, B.M.J. (117) 147
Griffioen, A.W., Rijkers, G.T., Keij, J. and Zegers, B.J.M.
Measurement of cytoplasmic calcium in lymphocytes using flow cytometry. Kinetic studies and single cell analysis (120) 23
Grossman, Z.D., see Rosebrough, S.F. (116) 123
Gruaz, D., see Grassi, J. (123) 193
Grunow, R., see Döpel, S.-H. (116) 229
Guérin-Reverchon, I., Chardonnet, Y., Chignol, M.C. and Thivolet, J.
A comparison of methods for the detection of human papillomavirus DNA by in situ hybridization with biotinylated probes on human carcinoma cell lines. Application to wart sections (123) 167
Guesdon, J.L., see Traincard, F. (123) 83
Gumbert, M., see Lim, V.L. (121) 197
Gunji, T., see Takase, K. (118) 129
Guttinger, M., Certa, U., Pink, J.R. and Sinigaglia, F.
Requirements for screening recombinant DNA libraries for T cell epitope expression (121) 225
Guyre, P.M., see Vance, B.A. (118) 287
Gysin, J., see Fandeur, T. (118) 109

H

Haendel, S., see Pallavicini, M.G. (117) 99
Hakalahti, L. and Vihko, P.
Purification of monoclonal antibodies raised against prostate-specific acid phosphatase for use in vivo in radioimaging of prostatic cancer (117) 131
Halldén, G., Andersson, U., Hed, J. and Johansson, S.G.O.
A new membrane permeabilization method for the detection of intracellular antigens by flow cytometry (124) 103
Hallock, R.B., see Mayo, C.S. (120) 105
Halstensen, A., see Sjursen, H. (116) 235
Halvorsen, R., see Bosnes, V. (118) 251
Hamilton-Miller, J.M.T., see Gargan, R.A. (124) 289
Hammer, C.H., see Pilatte, Y. (120) 37
Hanada, S., see Ishibashi, K. (119) 217
Hannappel, E., see Mihelić, M. (122) 7
Hannema, A.J., see Asghar, S.S. (120) 207
Hansel, T.T., Pound, J.D., Pilling, D., Kitas, G.D., Salmon, M., Gentle, T.A., Lee, S.S. and Thompson, R.A.
Purification of human blood eosinophils by negative selection using immunomagnetic beads (122) 97
Hansen, E.J., see Mertsola, J. (122) 219
Hansen, H., see Lemke, H. (121) 175
Hansen, M.B., Nielsen, S.E. and Berg, K.
Re-examination and further development of a precise and rapid dye method for measuring cell growth/cell kill (119) 203
Hanson, M.S., see Mertsola, J. (122) 219
Hapel, A.J., see Pullman, W.E. (117) 153
Harel-Bellan, A., Mishal, Z., Willette-Brown, J., William, and Farrar, L.
Detection of low and high affinity binding sites with fluoresceinated human recombinant interleukin-2 (119) 127

Hargreaves, J., see Pullman, W.E. (117) 153
Hariga, C., see Cantinieaux, B. (121) 203
Harkiss, G.D., Price, K. and Veitch, D.
Partial purification and characterization of a factor produced by mitogen-stimulated sheep mononuclear cells with thymocyte-activating and cartilage-degrading properties (117) 231
Harkiss, G.D., see Flynn, J.N. (121) 237
Harmer, I.J. and Samuel, D.
The FITC-anti-FITC system is a sensitive alternative to biotin-streptavidin in ELISA (122) 115
Harris, T.D., see Bobrow, M.N. (125) 279
Harrison, Y., see Dorshkind, K. (123) 93
Hashimoto, H., see Hirano, T. (119) 145
Hashimoto, K. and Tatsumi, N.
Rapid isolation of human C reactive protein and serum amyloid P component (125) 295
Hashimoto, S., see Ishibashi, K. (119) 217
Hasløv, K., Bentzon, M.W. and Møller, S.
Estimation of guinea pig antigen-specific and non-specific suppressor cell activity (120) 85
Hassall, D.G., see Bath, P.M.W. (118) 59
Hasui, M., Hirabayashi, Y. and Kobayashi, Y.
Simultaneous measurement by flow cytometry of phagocytosis and hydrogen peroxide production of neutrophils in whole blood (117) 53
Haun, M. and Wasi, S.
An enzyme immunoassay for the determination of low levels of IgA in human serum (121) 151
Haustein, D., see Vogel, L. (116) 31
Hazendonk, T.G., see Peeters, J.M. (120) 133
Hebell, T. and Götze, O.
The isolation of B lymphocytes from human peripheral blood using antibodies coupled to paramagnetic particles and rosetting techniques (123) 283
Hed, J., see Halldén, G. (124) 103
Hed, J., see Larsson, P.H. (116) 293
Heije, K., see De Lau, W.B.M. (117) 1
Heit, W., see Theobald, M. (121) 19
Hekker, A.C., see Ossewaarde, J.M. (123) 293
Henslee, J.G., see Ho, J.J.L. (125) 97
Herbrink, P., see IJsselmuiden, O.E. (119) 35
Herlyn, D., see Wettendorff, M. (116) 105
Hertzog, P.J., see Overall, M.L. (119) 27
Hewish, D.R. and Werkmeister, J.A.
The use of an electroporation apparatus for the production of murine hybridomas (120) 285
Hewlett, G., Stünkel, K.G. and Schlumberger, H.D.
A method for the quantitation of interleukin-2 activity (117) 243
Hickling, K.C. and Greenwood, B.
The immunocytochemical preservation of IgE and mast cells of the rat (116) 19
Hilbink, F., see McLean, G. (123) 39
Hildebrand, A., see Vogel, L. (116) 31
Hildreth, J.E.K., see Bochner, B.S. (125) 265
Hirabayashi, Y., see Hasui, M. (117) 53
Hirano, T., Yamakawa, N., Miyajima, H., Maeda, K., Takai, S., Ueda, A., Taniguchi, O., Hashimoto, H., Hirose, S., Okumura, K. and Ovary, Z.
An improved method for the detection of IgE antibody of defined specificity by ELISA using rat monoclonal anti-IgE antibody (119) 145
Hiron, M., see Biou, D. (125) 1
Hirose, S., see Hirano, T. (119) 145
Hirota, K., see Ota, F. (124) 259
Hittmair, A. and Schmid, K.W.
Inhibition of endogenous peroxidase for the immunocytochemical demonstration of intermediate filament proteins (IFP) (116) 199
Ho, J.J.L., Chung, Y.-s., Ryan, W., Henslee, J.G. and Kim, Y.S.
Evaluation of factors affecting the performance of enzymatic SPan-1 immunoassays for pancreatic cancer (125) 97
Hobbs, L.C., see Lassiter, M.O. (123) 63
Hobbs, R.N.
Solid-phase immunoassay of serum antibodies to peptides. Covalent antigen binding to adsorbed phenylalanine-lysine copolymers (117) 257
Hodgkin, P., see Suda, T. (120) 173
Hoffmann, T., see Theobald, M. (121) 19
Höflacher, B., see Modrow, S. (118) 1
Hogan, M.M., Perera, P.Y. and Vogel, S.N.
Examination of macrophage cell surface antigen regulation by rIFN-γ and IFN-α/β utilizing digital imaging by a novel laser detection system. Anchored cell analysis station (ACAS) 470 (123) 9
Høiby, N., see Kronborg, G. (122) 51
Holman, R.C., see Jones, B.M. (125) 41
Honda, M., see Kitamura, K. (121) 281
Hong, T.-H., Chen, S.-T., Tang, T.-K., Wang, S.-C. and Chang, T.H.
The production of polyclonal and monoclonal antibodies in mice using novel immunization methods (120) 151
Honjo, T., see Mita, S. (125) 233
Hooft, H.J., see Ossewaarde, J.M. (123) 293
Hopkins, J., see Flynn, J.N. (121) 237
Hopkins, S.J. and Humphreys, M.
Simple, sensitive and specific bioassay of interleukin-1 (120) 271
Horan, P.K., see Slezak, S.E. (117) 205
Hori, M., see Sato, H. (118) 161
Horn, A., see Ehle, H. (117) 17
Hornsey, V., see Prowse, C. (118) 91
Horsewood, P., see Penney, C.L. (123) 185
Horsten, G., see Berghman. L.R. (125) 225
Horton, J.K., Evans, O.M., Swann, K. and Swinburne, S.
A new and rapid method for the selection and cloning of antigen-specific hybridomas with magnetic microspheres (124) 225
Horuk, R.
A rapid and direct method for the detection and quantification of interleukin-1 receptors using 96 well filtration plates (119) 255

Hosoda, K. and Yasuda, T.
Homogeneous immunoassay for α_2 plasmin inhibitor (α_2PI) and α_2PI-plasmin complex. Application of a sandwich liposome immune lysis assay (LILA) technique (121) 121
Hosoya, Y., see Mita, S. (125) 233
Houthoff, H.J., see Van der Loos, C.M. (117) 45
Hoven, M.Y., De Leij, L., Keij, J.F.K. and The, T.H.
Detection and isolation of antigen-specific B cells by the fluorescence activated cell sorter (FACS) (117) 275
Howden, M.E.H., see Fischer, P.M. (118) 119
Howden, M.E.H., see Walsh, B.J. (121) 275
Hu, R.C., see Kim, Y.D. (120) 9
Hu, R.C., see Kim, Y.D. (124) 293
Hubbard, M., see Jones, B.M. (125) 41
Hud, E., see Cohen, M.P. (117) 121
Hud, E., see Cohen, M.P. (122) 279
Huehns, E.R., see Gray, A.G. (121) 1
Hughes, B.W., see Kenney, J.S. (121) 157
Hugo, F., see Bhakdi, S. (121) 61
Humphreys, M., see Hopkins, S.J. (120) 271
Hupin, J., see Cantinieaux, B. (121) 203
Huss, G., see Lemke, H. (121) 175
Hutchings, P.R., Cambridge, G., Tite, J.P., Meager, T. and Cooke, A.
The detection and enumeration of cytokine-secreting cells in mice and man and the clinical application of these assays (120) 1

I

Ide, M., see Kitamura, K. (121) 281
IJsselmuiden, O.E., Herbrink, P., Meddens, M.J.M., Tank, B., Stolz, E. and Van Eijk, R.V.W.
Optimizing the solid-phase immunofiltration assay. A rapid alternative to immunoassays (119) 35
Ikegaki, N. and Kennett, R.H.
Glutaraldehyde fixation of the primary antibody-antigen complex on nitrocellulose paper increases the overall sensitivity of immunoblot assay (124) 205
Iliopoulos, D., see Wettendorff, M. (116) 105
Inai, S., see Takata, Y. (117) 107
Inganäs, M., see Einarsson, R. (120) 265
Inouye, S., see Sakaguchi, M. (116) 181
Irr, J., see Colborn, D. (119) 247
Isaksson, B., see Saxena, R. (118) 73
Ishibashi, K., Hanada, S., Uozumi, K., Otsuka, M., Sakurami, T. and Hashimoto, S.
An enzyme-linked immunosorbent assay for immune complex of HTLV-I (119) 217
Ishizaka, S., Kuriyama, S. and Tsujii, T.
In vivo depletion of macrophages by desulfated ι-carrageenan in mice (124) 17
Islam, L.N. and Wilkinson, P.C.
Evaluation of methods for isolating human peripheral blood monocytes. Studies on chemotactic locomotion and other functional characteristics (121) 75
Iversen, O.J., see Bergh, K. (123) 147
Iwaki, K., see Takase, K. (118) 129

J

Jackson, S.G.
Development of a fluorescent immunodot assay for *Bacillus cereus* enterotoxin (120) 215
Jacob, D.A., see Tuson, J.R.D. (121) 47
Jagannadha Rao, A. and Chakraborti, R.
Studies on non-specific interference due to serum in the avidin-biotin microELISA for monkey chorionic gonadotropin and a method for its elimination (125) 261
Jagannath, C. and Sehgal, S.
Enhancement of the antigen-binding capacity of incomplete IgG antibodies to *Brucella melitensis* through Fc region interactions with staphylococcal protein A (124) 251
Jalan, K.N., see Mohimen, A. (117) 39
James, H., see Verrier Jones, J. (118) 79
James, K., see Prowse, C. (118) 91
Janowicz, A., see Gillette, R.W. (124) 277
Janssen, W.E. and Rios, A.M.
Non-specific cell binding characteristics of para-magnetic polystyrene microspheres used for antibody-mediated cell selection (121) 289
Jenski, L.J. and Kleyle, R.M.
Kinetic assay of cytotoxic T lymphocyte clonesI. Methodology and data analysis (117) 181
Jenski, L.J.
Kinetic assay of cytotoxic T lymphocyte clones II. Comparison of primary and secondary responses and lectin-dependent cytotoxicity (117) 191
Jepras, R.I., Clarke, D.J. and Coakley, W.T.
Agglutination of *Legionella pneumophila* by antiserum is accelerated in an ultrasonic standing wave (120) 201
Jiskoot, W., Van Hertrooij, J.J.C.C., Klein Gebbinck, J.W.T.M., Van der Velden-de Groot, T., Crommelin, D.J.A. and Beuvery, E.C.
Two-step purification of a murine monoclonal antibody intended for therapeutic application in man. Optimisation of purification conditions and scaling up (124) 143
Jitsukawa, T., Nakajima, S., Sugawara, I. and Watanabe, H.
Increased coating efficiency of antigens and preservation of original antigenic structure after coating in ELISA (116) 251
Jo, Y.W., see Kim, W.B. (125) 273
Johannsson, A., see Kemeny, D.M. (120) 251
Johansson, S.G.O., see Halldén, G. (124) 103
Johansson, S.G.O., see Larsson, P.H. (116) 293

Johnson, A., see Dorshkind, K. (123) 93
Jones, B.M., Nicholson, J.K.A., Holman, R.C. and Hubbard, M.
Comparison of monocyte separation methods using flow cytometric analysis (125) 41
Jones, G.L., Edmundson, H.M., Spencer, L., Gale, J. and Saul, A.
The use of maleimidocaproyloxysuccinimide to prepare malarial peptide carrier immunogens. Immunogenicity of the linking region (123) 211
Juneja, H.S., see Lett-Brown, M.A. (117) 163
Jung, I.K.L. and Fu, S.M.
A sandwich CD7-ELISA for detection of solubilized CD7 from normal and leukemic T cells (116) 137
Jung, T.M. and Dailey, M.O.
A novel and inexpensive source of allophycocyanin for multicolor flow cytometry (121) 9
Jungbauer, A., see Döpel, S.-H. (116) 229

K

Kahan, L., see Syu, W.-J. (118) 153
Kahan, L., see Tumosa, N. (116) 59
Kaibe, K., see Kurooka, S. (118) 147
Kaibe, K., see Sunahara, N. (119) 75
Kaiserlian, D., Roche, C., Blanc, M. and Revillard, J.P.
A rapid mechanical vibration procedure for purifying mature (Ia positive) columnar epithelial cells from the mouse small intestine (122) 243
Kalantarov, G.F., see Tertov, V.V. (118) 139
Kalbacher, H., see Mihelić, M. (122) 7
Kamachi, S.-i., see Motojima, H. (118) 187
Kanai, Y., see Prasad, S. (116) 79
Kanner, S.B., Reynolds, A.B. and Parsons, J.T.
Immunoaffinity purification of tyrosine-phosphorylated cellular proteins (120) 115
Kaplan, A.P., see Reddigari, S. (119) 19
Kardana, A., Taylor, M.E., Rowan, A.J., Read, D.A. and Bagshawe, K.D.
Characterisation of antibodies to urinary gonadotrophin peptide (118) 53
Karlson, K.H., see Vance, B.A. (118) 287
Karlsson, T., see Einarsson, R. (120) 265
Kasatiya, S.S., see Douma, R. (124) 197
Kataoka, K., see Bigelow, J.C. (117) 289
Kato, H., see Kurooka, S. (118) 147
Kawata, S., see Sunahara, N. (119) 75
Kawata, T., see Ota, F. (124) 259
Keely, S.P., see Reuman, P.D. (125) 49
Keij, J., see Griffioen, A.W. (120) 23
Keij, J.F.K., see Hoven, M.Y. (117) 275
Kelling, C.L., see Onisk, D.V. (125) 203
Kemeny, D.M., Richards, D., Durnin, S. and Johannsson, A.
Ultrasensitive enzyme-linked immunosorbent assay (ELISA) for the detection of picogram quantities of IgE (120) 251
Kenigsberg, R.L., see Elliott, P.J. (123) 141
Kennett, R.H., see Ikegaki, N. (124) 205
Kenney, J.S., Hughes, B.W., Masada, M.P. and Allison, A.C.
Influence of adjuvants on the quantity, affinity, isotype and epitope specificity of murine antibodies (121) 157
Kephart, G.M., see Krenik, K.D. (117) 91
Kerp, L., see Schuler, G. (116) 27
Kerp, L., see Storch, M.-J. (119) 53
Khalaf, A.-N., see Schuler, G. (116) 27
Khazaeli, M.B., Rogers, K.J. and LoBuglio, A.F.
Quantitative assay of a human monoclonal IgM antibody (HA-1A) in human serum (117) 175
Kidaka, T., see Sato, H. (118) 161
Kido, K., see Kurooka, S. (118) 147
Kim, B.K., see Kim, W.B. (125) 273
Kim, J.Y., see Peterson, J.D. (119) 83
Kim, W.B., Jo, Y.W., Choi, E.C. and Kim, B.K.
Inhibition ELISA for hepatitis B surface antigen (HBsAg) using monoclonal idiotype-anti-idiotype interaction (125) 273
Kim, Y.B., see Wierda, W.G. (122) 15
Kim, Y.D., Hu, R.C. and Mimms, L.T.
Determination of intrinsic association constant of mouse monoclonal IgM antibody to human hepatitis B surface antigen (120) 9
Kim, Y.D., Hu, R.C. and Mimms, L.T.
Determination of intrinsic association constant of mouse monoclonal IgM antibody to human hepatitis B surface antigen (124) 293
Kim, Y.S., see Ho, J.J.L. (125) 97
Kim, Y.T., see Brown, D.W. (116) 45
Kimura, A., Tamaki, Y., Kishida, T., Fukuda, M. and Tsuji, T.
Production of monoclonal antibody to human IgG allotype G3M T (116) 99
Kindle, J.C., see Lassiter, M.O. (123) 63
King, B.F., see Douglas, G.C. (119) 259
King, I.C. and Sartorelli, A.C.
Ewing sarcoma growth factor as a supplement for the cloning of hybridomas (118) 297
Kinoshita, Y., Miller, M.E. and Wuest, C.J.
Adherence assay of ^{51}chromium-labeled human polymorphonuclear leukocyte using glass beads (124) 29
Kints, J.-P., Manouvriez, P. and Bazin, H.
Rat monoclonal antibodies. VII. Enhancement of ascites production and yield of monoclonal antibodies in rats following pretreatment with pristane and Freund's adjuvant (119) 241
Kirchner, C., see Dannhorn, D.R. (119) 223
Kirshenbaum, A.S., Dreskin, S.C. and Metcalfe, D.D.
A staphylococcal protein A rosetting assay for the demonstration of high affinity IgE receptors on rIL-3-dependent human basophil-like cells grown in mixed cell cultures (123) 55
Kishida, T., see Kimura, A. (116) 99

Kitada, C., see Suzuki, N. (118) 245
Kitamura, K., Matsuda, K., Ide, M., Tokunaga, T. and Honda, M.
A fluorescence sandwich ELISA for detecting soluble and cell-associated human interleukin-2 (121) 281
Kitas, G.D., see Hansel, T.T. (122) 97
Kitas, G.D., see Pilling, D. (122) 235
Klasen, E., see Görög, G. (123) 131
Klein-Schneegans, A.-S., Gavériaux, C., Fonteneau, P. and Loor, F.
Indirect double sandwich ELISA for the specific and quantitative measurement of mouse IgM, IgA and IgG subclasses (119) 117
Klein-Schneegans, A.-S., Kuntz, L., Fonteneau, P. and Loor, F.
An indirect asymmetrical sandwich ELISA using anti-allotype antibodies for the specific and quantitative measurement of mouse IgG2a of Igh-1^b allotype (125) 207
Klein-Struckmeier, A., see Volgmann, T. (119) 45
Klein Gebbinck, J.W.T.M., see Jiskoot, W. (124) 143
Kleyle, R.M., see Jenski, L.J. (117) 181
Klomp, J.P.G., Te Velde, A.A. and Figdor, C.G.
Rapid densitometric determination of cell migration and cell adhesion in a microchemotaxis chamber (118) 47
Knapschaefer, G., see Sipe, J.D. (125) 125
Ko, K.-H., see Lim, P.-L. (117) 267
Kobayashi, M., see Pullman, W.E. (117) 153
Kobayashi, T., see Motojima, H. (118) 187
Kobayashi, Y., see Hasui, M. (117) 53
Koch, S., see Von Knebel Doeberitz, M. (122) 259
Kohler, H., see Wei, W.-Z. (122) 227
Kokkinopoulos, D., Perez, S. and Papamichail, M.
A simple hemagglutination method for the detection of cell surface antigens (119) 59
Kondo, K., see Watanabe, H. (124) 25
Kontsek, P., Lackovič, V. and Borecký, L.
Preparation of highly sensitive mouse hybrid cells for interferon assays (116) 145
Koprowski, H., see Rakowicz-Szulczynska, E.M. (116) 167
Koprowski, H., see Wettendorff, M. (116) 105
Koshikawa, K., see Maly, F.-E. (122) 91
Koster, F.T., see Garcia-Peñarrubia, P. (118) 199
Kramer, S.M., see Gibson, U.E.M. (125) 105
Krenik, K.D., Kephart, G.M., Offord, K.P., Dunnette, S.L. and Gleich, G.J.
Comparison of antifading agents used in immunofluorescence (117) 91
Krolikowski, I., see Schauer, U. (116) 221
Kronborg, G., Fomsgaard, A., Shand, G.H. and Høiby, N.
Determination of the components of immune complexes made in vitro with antigens derived from *Pseudomonas aeruginosa* (122) 51
Krstenansky, J.L., see Mao, S.J.T. (120) 45
Krüger, U., Wickert, L. and Wagener, C.
Determination of epitope specificities and affinities of monoclonal antibodies in solution phase using biotin-labeled carcinoembryonic antigen and avidin as precipitating agent (117) 25
Kubota, I., see Mita, S. (125) 233
Kueppers, F.R., see Smith, Jr., M.F. (118) 265
Kunkel, S.L., see Eskandari, M.K. (118) 85
Kuntz, L., see Klein-Schneegans, A.-S. (125) 207
Kuphal, K., see Schuler, G. (116) 27
Kurek, J., see Tosic, L. (120) 241
Kuriyama, S., see Ishizaka, S. (124) 17
Kurooka, S., Kaibe, K., Ueyama, H., Kido, K., Matumura, Y., Maeda, H. and Kato, H.
The specific determination of hydroxyprolyl^3-bradykinin using a competitive binding enzyme immunoassay (118) 147
Kurooka, S., see Sunahara, N. (119) 75
Kürzinger, K., see Baumgarten, H. (122) 1
Kuss, E., see Gloning, K. (122) 185
Kuypers, T.W., Eckmann, C.M., Weening, R.S. and Roos, D.
A rapid turbidimetric assay of phagocytosis and serum opsonizing capacity (124) 85

L

Laboisse, C.L., see Roumagnac, I. (122) 265
LaBrooy, J.T., see Bartholomeusz, R.C.A. (117) 247
Lachmann, P.J., see Garred, P. (117) 59
Lackovič, V., see Kontsek, P. (116) 145
Lacy, M.J. and Voss, Jr., E.W.
Direct adsorption of ssDNA to polystyrene for characterization of the DNA/anti-DNA interaction, and immunoassay for anti-DNA autoantibody in New Zealand White mice (116) 87
Lalor, P.A. and Revell, P.A.
The use of foetal calf serum as a blocking agent in double immunoenzyme-cytochemistry labelling with mouse monoclonal antibodies (122) 149
Lämmle, B.
Comments on 'Quantification of human high molecular weight kininogen by immunoblotting with a monoclonal anti-light chain antibody' by Reddigari and Kaplan (125) 291
Lämmler, C. and Sting, R.
Isolation of immunoglobulin G by affinity chromatography using an IgG Fc receptor protein from *Streptococcus dysgalactiae* coupled to a solid phase (124) 131
Landon, J., see Mellor, G.W. (118) 101
Landreth, K.S., see Dorshkind, K. (123) 93
Lansdorp, P.M., see Thomas, T.E. (120) 221
Lanzavecchia, A., see Demotz, S. (122) 67
La Placa, M., see Gentilomi, G. (125) 177
Laporte, M., see Peborde, J.P. (120) 259
Larsson, A. and Sjöquist, J.
Binding of complement components C1q, C3, C4 and C5 to a model immune complex in ELISA (119) 103

Larsson, P.H., Hed, J., Johansson, S.G.O., Persson, U. and Wahlström, M.
Improved cell depletion in a panning technique using covalent binding of immunoglobulins to surface modified polystyrene dishes (116) 293
Lassiter, M.O., Kindle, J.C., Hobbs, L.C. and Gregory, R.L.
Estimation of immunoglobulin protease activity by quantitative rocket immunoelectrophoresis (123) 63
Lauffenburger, D.A., see Buettner, H.M. (123) 25
Lauzon, I., see Leblond, F.A. (124) 71
Laxton, R.R., see Robins, R.A. (121) 145
Lea, T., see Garred, P. (117) 59
Leak, I.G., see Brown, T.A. (123) 241
LeBel, D., see Leblond, F.A. (124) 71
Leblond, F.A., Talbot, B.G., Lauzon, I. and LeBel, D.
A competition enzyme-linked immunosorbent assay (ELISA) for the measurement of pancreatic GP-2 glycoprotein (124) 71
Lebreton, J.-P., see Biou, D. (125) 1
Ledden, D.J., see Boguslawski, S.J. (120) 51
Lee, F., see Suda, T. (120) 173
Lee, J.C., see Smith, Jr., M.F. (118) 265
Lee, S.S., see Hansel, T.T. (122) 97
Legrand, C., see Derouiche, F. (125) 13
Le Maire, M., see Viel, A. (119) 287
Lemieux, R., see Bazin, R. (116) 245
Lemke, H., Huss, G., Bonmann, J. and Hansen, H.
Determination of cell-bound Fc receptors using a cell adherence test (CAT) (121) 175
Lennard, T.W.J., see Rigg, K.M. (123) 177
Lett-Brown, M.A., Robinson, L., Juneja, H.S. and Grant, J.A.
Purification of human basophils. Their response to anti-IgE (117) 163
Leung, H., see Meager, A. (116) 1
Levine, L., Gjika, H.B. and Van Vunakis, H.
Antibodies and radioimmunoassays for phosphoserine, phosphothreonine and phosphotyrosine. Serologic specificities and levels of the phosphoamino acids in cytoplasmic fractions of rat tissues (124) 239
Levine, M. and Brumley, Jr., R.L.
Fast ELISA for measuring serum antibody responses (119) 211
Levy, J.-P., see Bouillot, M. (116) 189
Li, S.G., see Zhang, L. (121) 39
Lim, P.-L. and Choy, W.-F.
An improved latex agglutination-inhibition test for the detection of human chorionic gonadotropin in urine (117) 137
Lim, P.-L., Ko, K.-H. and Choy, W.-F.
A two-particle turbidometric latex immunoassay for the detection of specific IgM antibodies (117) 267
Lim, V.L., Gumbert, M. and Garovoy, M.R.
A flow cytometric method for the detection of the development of antibody to Orthoclone OKT3 (121) 197
Limet, J.N., see Cambiaso, C.L. (122) 169
Lin, H.-s., see Lokeshwar, B.L. (123) 123
Lin, J.N., Andrade, J.D. and Chang, I.-N.
The influence of adsorption of native and modified antibodies on their activity (125) 67
Linch, D.C., see Gray, A.G. (121) 1
Linden, G., see Derouiche, F. (125) 13
Lingenfelter, S.E., see Gaffney, E.V. (122) 211
Linnenbach, A., see Rakowicz-Szulczynska, E.M. (116) 167
Litt, G.J., see Bobrow, M.N. (125) 279
Liu, C.-C., see Persechini, P.M. (124) 7
Liu, Y.-c., Dong, G.-j. and Zhao, Y.-c.
Preparation of diazotized polystyrene latex and its use in agglutination assays (124) 159
Lloyd, J.B., see Davies, D.E. (118) 9
Lo, K.-M., see Gillies, S.D. (125) 191
LoBuglio, A.F., see Khazaeli, M.B. (117) 175
Loeffler, D. and Ratner, S.
In vivo localization of lymphocytes labelled with low concentrations of Hoechst 33342 (119) 95
Loken, M.R., see Terstappen, L.W.M.M. (123) 103
Lokeshwar, B.L. and Lin, H.-s.
A sandwich enzyme-linked immunoadsorbent assay for detection of murine macrophage colony-stimulating factor (CSF-1) (123) 123
Longley, R.E. and Stewart, D.
Recovery of functional human lymphocytes from Leukotrap filters (121) 33
Loor, F., see Klein-Schneegans, A.-S. (119) 117
Loor, F., see Klein-Schneegans, A.-S. (125) 207
Loose, L.D., see Sipe, J.D. (125) 125
Lopez, M., see Luczynska, C.M. (118) 227
Luczynska, C.M., Arruda, L.K., Platts-Mills, T.A.E., Miller, J.D., Lopez, M. and Chapman, M.D.
A two-site monoclonal antibody ELISA for the quantification of the major *Dermatophagoides* spp. allergens, *Der p* I and *Der f* I (118) 227
Luxton, R.W. and Thompson, E.J.
Differential oligoclonal band patterns on polyvinyldifluoride membranes (121) 269

M

MacGlashan, Jr., D.W., see Bochner, B.S. (125) 265
MacPhee, I.A.M., see Sedgwick, J.D. (121) 185
Maddy, A.H., see Wu, Z.W. (124) 165
Maeda, H., see Kurooka, S. (118) 147
Maeda, K., see Hirano, T. (119) 145
Mage, M., see Nardelli, B. (120) 233
Mahieu, P.R., see Malaise, M.G. (119) 231
Maini, R.N., see Barkley, D. (120) 277
Maitra, T.K., see Mohimen, A. (117) 39
Malagolini, N., see Serafini-Cessi, F. (120) 185
Malaise, M.G., Franchimont, P. and Mahieu, P.R.
The ability of normal human monocytes to phagocytose IgG-coated red blood cells is related to the number of accessible galactosyl and mannosyl residues in the Fc domain of the anti-red blood cell IgG antibody molecules (119) 231

Malavasi, F., see Peruzzi, L. (123) 113
Malmendier, C.L., see Dubois, D.Y. (125) 215
Maly, F.-E., Vittoz, M., Urwyler, A., Koshikawa, K., Schleinkofer, L. and De Weck, A.L.
A dual microtiter plate (192 sample) luminometer employing computer-aided single-photon imaging applicable to cellular luminescence and luminescence immunoassay (122) 91
Man, N.t., Cartwright, A.J., Andrews, K.M. and Morris, G.E.
Treatment of human muscle creatine kinase with glutaraldehyde preferentially increases the immunogenicity of the native conformation and permits production of high-affinity monoclonal antibodies which recognize two distinct surface epitopes (125) 251
Maneta-Peyret, L., Freyburger, G., Bessoule, J.-J. and Cassagne, C.
Specific immunocytochemical visualization of phosphatidylserine (122) 155
Mangiarotti, M.A., see Presani, G. (119) 197
Manouvriez, P., see Kints, J.-P. (119) 241
Mansour, M., see Verrier Jones, J. (118) 79
Manten, J.W., see Ossewaarde, J.M. (123) 293
Mao, S.J.T., Yates, M.T., Owen, T.J. and Krstenansky, J.L.
Preparation of antibodies to a synthetic C terminus of hirudin and identification of an antigenic site (120) 45
Marchese, P., see Perutelli, P. (123) 227
Mareschal, J.C., see Mathieu, F. (120) 65
Marini, S., Bannister, J. and Giardina, B.
A simple method for increasing hapten immunogenicity by a specific structural modification of the carrier (120) 57
Marqués, G., see Sánchez-Corral, P. (122) 105
Martin, L.E., see Pereira, H.A. (117) 115
Marzuki, S., see Overall, M.L. (119) 27
Masada, M.P., see Kenney, J.S. (121) 157
Masaki, T., Okada, N., Yasuda, R. and Okada, H.
Assay of complement activity in human serum using large unilamellar liposomes (123) 19
Masaki, T., see Suzuki, N. (118) 245
Mastro, A.M., see Viselli, S.M. (125) 115
Mathieson, B.J., see Beckwith, M. (123) 249
Mathieu, F., Mareschal, J.C. and Collet-Cassart, D.
Latex particle immunoassay of carcinoembryonic antigen (120) 65
Matricardi, P., see Demotz, S. (122) 67
Matsuda, K., see Kitamura, K. (121) 281
Matsumoto, H., see Suzuki, N. (118) 245
Mattes, M.J., see Ong, G.L. (125) 147
Matthews, R.C., see Burnie, J.P. (118) 179
Matumura, Y., see Kurooka, S. (118) 147
Mayo, C.S. and Hallock, R.B.
Immunoassay based on surface plasmon oscillations (120) 105
Mazie, J.C., see Traincard, F. (123) 83
McAfee, J.G., see Rosebrough, S.F. (116) 123
McAvoy, J.W., see Richardson, N.A. (125) 287
McBride, B.W. and Newell, D.G.
Production and characterization of monoclonal antibodies directed against guinea pig IgG subclasses (118) 193
McCarthy, D., see O'Hara, B.P. (116) 175
McCracken, Jr., G.H., see Mertsola, J. (122) 219
McGhee, J.R., see Childers, N.K. (119) 135
McHeyzer-Williams, M.G. and Nossal, G.J.V.
Inhibition of antibody production at high cell density following mitogen stimulation and isotype switching in vitro (119) 9
McHugh, L., see Nardelli, B. (120) 233
McHugh, T.M., Wang, Y.J., Chong, H.O., Blackwood, L.L. and Stites, D.P.
Development of a microsphere-based fluorescent immunoassay and its comparison to an enzyme immunoassay for the detection of antibodies to three antigen preparations from *Candida albicans* (116) 213
McKelvey, A.A., see Bochner, B.S. (125) 265
McLean, G. and Hilbink, F.
Use of dried blood on filter paper in the ELISA for *Brucella abortus* (123) 39
McWilliam, A.S. and Stewart, G.A.
Production of multilamellar, small unilamellar and reverse-phase liposomes containing house dust mite allergens. Potential adjuvants in the immunotherapy of allergic disease (121) 53
Meager, A., Leung, H. and Woolley, J.
Assays for tumour necrosis factor and related cytokines (116) 1
Meager, T., see Hutchings, P.R. (120) 1
Meddens, M.J.M., see IJsselmuiden, O.E. (119) 35
Mehr, D.S., see Wierda, W.G. (122) 15
Mehra, S., see Mohimen, A. (117) 39
Meilhoc, E., Wittrup, K.D. and Bailey, J.E.
Application of flow cytometric measurement of surface IgG in kinetic analysis of monoclonal antibody synthesis and secretion by murine hybridoma cells (121) 167
Meiners, H., see Terstappen, L.W.M.M. (123) 103
Melioli, G., see Peruzzi, L. (123) 113
Melki, S.E., see Bellinati-Pires, R. (119) 189
Mellor, G.W., Gallacher, G. and Landon, J.
Production and characterisation of antibodies to vanillylmandelic acid (118) 101
Mellor, G.W., see Al-Abdulla, I.H. (122) 253
Melvold, R.W., see Peterson, J.D. (119) 83
Mertsola, J., Ramilo, O., Sáez-Llorens, X., Hanson, M.S., McCracken, Jr., G.H. and Hansen, E.J.
Specific detection of *Haemophilus influenzae* type b lipooligosaccharide by a polymyxin B monoclonal antibody assay (122) 219
Mertz, R., see Modrow, S. (118) 1
Metcalfe, D.D., see Kirshenbaum, A.S. (123) 55
Michael, A.F., see Basgen, J.M. (124) 77
Michalek, S.M., see Childers, N.K. (119) 135
Micklem, L.R., see Prowse, C. (118) 91
Mihatsch, M.J., see Foxwell, B.M.J. (117) 147
Mihelić, M., Kalbacher, H., Hannappel, E. and Voelter, W.
MicroELISA method for the determination of thymosin β_9 discriminating between thymosin β_9 and the structurally closely related thymosin β_4 (122) 7

Milenic, D.E., Esteban, J.M. and Colcher, D.
Comparison of methods for the generation of immunoreactive fragments of a monoclonal antibody (B72.3) reactive with human carcinomas (120) 71
Miller, J.D., see Luczynska, C.M. (118) 227
Miller, M.E., see Kinoshita, Y. (124) 29
Miller, S.D., see Peterson, J.D. (119) 83
Miller III, A. and Glasel, J.A.
A glass-fiber filtration assay for solution phase hapten-antibody binding. Effect of surface treatment with a polycation (125) 35
Milne, L.J.R., see Burnie, J.P. (118) 179
Miltenburg, L.M., see Van Kessel, K.P.M. (118) 279
Miltenyi, S., see Abts, H. (125) 19
Mimms, L.T., see Kim, Y.D. (120) 9
Mimms, L.T., see Kim, Y.D. (124) 293
Minonzio, F., see Capsoni, F. (120) 125
Mishal, Z., see Harel-Bellan, A. (119) 127
Mita, S., Hosoya, Y., Kubota, I., Nishihara, T., Honjo, T., Takahashi, T. and Takatsu, K.
Rapid methods for purification of human recombinant interleukin-5 (IL-5) using the anti-murine IL-5 antibody-coupled immunoaffinity column (125) 233
Mitra, G., see Bloom, J.W. (117) 83
Miyajima, H., see Hirano, T. (119) 145
Miyazawa, H., see Sakaguchi, M. (116) 181
Modrow, S., Höflacher, B., Mertz, R. and Wolf, H.
Carrier-bound synthetic peptides. Use as antigen in HIV-1 ELISA tests and in antiserum production (118) 1
Mohammad, K. and Esen, A.
A blocking agent and a blocking step are not needed in ELISA, immunostaining dot-blots and Western blots (117) 141
Mohimen, A., Maitra, T.K., Jalan, K.N. and Mehra, S.
A specific solid-phase assay for the detection of immune complexes containing *Entamoeba histolytica* antigens (117) 39
Mohler, K.M. and Butler, L.D.
In vitro detection of lymphokines produced by in vivo activated lymphocytes (121) 67
Mohr, H., see Volgmann, T. (119) 45
Möller, G., see Andersson, U. (123) 233
Møller, S., see Hasløv, K. (120) 85
Mollnes, T.E., see Garred, P. (117) 59
Molotkovsky, J.G., see Tertov, V.V. (118) 139
Moratz, C.M., see Beckwith, M. (123) 249
Morgan, J., see Gray, A.G. (121) 1
Morganelli, P.M., see Vance, B.A. (118) 287
Mori, P.G., see Perutelli, P. (123) 227
Moriyama, T., see Takata, Y. (117) 107
Morris, G.E., see Man, N.t. (125) 251
Morrissey, M.M., see Psychoyos, S. (124) 189
Moscoso del Prado, J. and Serrano, C.
An ELISA method for the quantification of anti-streptolysin-O antibodies (124) 219
Mosmann, T.R. and Fong, T.A.T.
Specific assays for cytokine production by T cells (116) 151
Motojima, H., Kobayashi, T., Shimane, M., Kamachi, S.-i. and Fukushima, M.
Quantitative enzyme immunoassay for human granulocyte colony stimulating factor (G-CSF) (118) 187
Müller, B., see Schäfer, H. (118) 169
Müller, H.-M., see Früh, K. (122) 25
Muratti, E., see Chersi, A. (122) 285
Murota, K., see Fujii, K. (124) 63
Murray, I.A., see Rigg, K.M. (123) 177
Musiani, M., see Gentilomi, G. (125) 177
Muzykantov, V.R., Peclo, M.M. and Printseva, O.Y.
Local tissue injury induced by glucose oxidase conjugated with anti-collagen antibody (119) 65
Myers, D.E., Uckun, F.M., Swaim, S.E. and Vallera, D.A.
The effects of aromatic and aliphatic maleimide cross-linkers on anti-CD5 ricin immunotoxins (121) 129

N

Nabeshima, Y., see Bigelow, J.C. (117) 289
Nabet, P., see Derouiche, F. (125) 13
Næss, A., see Sjursen, H. (116) 235
Nagai, Y., see Fujii, K. (124) 63
Nagamune, H., see Ota, F. (124) 259
Nakahara, Y., see Usagawa, T. (119) 111
Nakajima, S., see Jitsukawa, T. (116) 251
Nakamura, Y., Watanabe, K., Noto, T., Tajima, T. and Yamamura, M.
A new compact and cell dense continuous culture system (118) 31
Nardelli, B., McHugh, L. and Mage, M.
Polyacrylamide-streptavidin: a novel reagent for simplified construction of soluble multivalent macromolecular conjugates (120) 233
Naser, W., see Zilow, G. (121) 261
Natsukari, N., Ohta, H. and Fujita, M.
Simple immunoassays for semiquantitative determination of calmodulin (CaM) and anti-CaM. Applications to affinity column chromatography of anti-CaM antibodies and estimation of CaM in synaptosomal membranes from rat cerebral cortex (125) 159
Negrin, R.S., see Schmidt-Wolf, I.G.H. (125) 185
Neil, J.C., see Collins, R.J. (116) 53
Neri, L.M., see Vitale, M. (121) 115
Neri, R., see Wu, D.-H. (121) 219
Neubauer, A., see Serke, S. (121) 231
Neuman, T., see Arumäe, U. (122) 59
Nevins, T.E., see Basgen, J.M. (124) 77
Newell, D.G., see McBride, B.W. (118) 193
Ngeow, Y.-F., see Cheng, H.-M. (124) 235
Nicholson, J.K.A., see Jones, B.M. (125) 41
Nielsen, S.E., see Hansen, M.B. (119) 203
Nilsson, K.G.I.
Preparation of nanoparticles conjugated with enzyme and

antibody and their use in heterogeneous enzyme immunoassays (122) 273
Nishihara, T., see Mita, S. (125) 233
Nishimura, M., see Usagawa, T. (119) 111
Northoff, H., Bauer, J., Schobert, A., Flegel, W.A. and Gebicke-Haerter, P.J.
Lipopolysaccharide (LPS)-free conditions allow growth and purification of postnatal brain macrophages (microglia) (116) 147
Nossal, G.J.V., see McHeyzer-Williams, M.G. (119) 9
Noto, T., see Nakamura, Y. (118) 31
Nucci, D., see Bigio, M. (123) 1
Nydegger, U.E., see Buchs, J.-P. (118) 37
Nygren, P.-Å., see Ståhl, S. (124) 43

O

Offord, K.P., see Krenik, K.D. (117) 91
Ogata, F.
Quantitative dot-blot enzyme immunoassay for serum amyloid A protein (116) 131
O'Hara, B.P., Pyle, J., McCarthy, D. and Archer, J.R.
Binding of monomeric and aggregated immunoglobulin to enzymes. A source of artefact in antibody assays (116) 175
Ohta, H., see Natsukari, N. (125) 159
Okada, H., see Masaki, T. (123) 19
Okada, N., see Masaki, T. (123) 19
Okano, T., see Bigelow, J.C. (117) 289
Okuda, T.
A new method for identification of antigen specificity of monoclonal antibodies against soluble antigens. Immunoenzymatic staining of precipitin lines in agarose gel (124) 287
Okumura, K., see Hirano, T. (119) 145
Olivieri, V., see Foxwell, B.M.J. (117) 147
Olszewski, W.L., see Galkowska, H. (116) 207
O'Neill, H.C. and Weissman, I.L.
Measurement of binding specificity between T cell lymphomas and murine leukemia viruses (122) 79
Ong, G.L. and Mattes, M.J.
Mouse strains with typical mammalian levels of complement activity (125) 147
Ongari, A.M., see Capsoni, F. (120) 125
Onisk, D.V., Srikumaran, S. and Kelling, C.L.
A microplate immunofluorescence assay for the detection of monoclonal antibodies against viral antigens in cell culture (125) 203
Orekhov, A.N., see Tertov, V.V. (118) 139
Ossendorp, F.A., Bruning, P.F., Van den Brink, J.A.M. and De Boer, M.
Efficient selection of high-affinity B cell hybridomas using antigen-coated magnetic beads (120) 191
Ossendorp, F.A., see De Boer, M. (121) 253
Ossewaarde, J.M., Manten, J.W., Hooft, H.J. and Hekker, A.C.
An enzyme immunoassay to detect specific antibodies to protein and lipopolysaccharide antigens of *Chlamydia trachomatis* (123) 293
Ota, F., Hirota, K., Nagamune, H., Senesi, S., Satomi, Y., Yasuoka, M., Akiyama, Y., Fukui, K. and Kawata, T.
A comparison of competitive enzyme immunoassay and precipitin inhibition tests in the analysis of polysaccharide antigenic determinants of oral streptococci (124) 259
Otsuka, M., see Ishibashi, K. (119) 217
Otten, R.A., see Faulmann, E.L. (123) 269
Ovary, Z., see Hirano, T. (119) 145
Overall, M.L., Marzuki, S. and Hertzog, P.J.
Comparison of different ELISAs for the detection of monoclonal antibodies to human interferon-α. Implications for antibody screening (119) 27
Owen, T.J., see Mao, S.J.T. (120) 45

Pabst, R., see Willführ, K.U. (120) 29
Pallavicini, M.G., Haendel, S., Rosette, C. and Barlett, R.
Rapid screening and selection of monoclonal antibodies by bivariate flow cytometric analyses (117) 99
Papa, S., see Vitale, M. (121) 115
Papamichail, M., see Kokkinopoulos, D. (119) 59
Paradisi, G., see Görög, G. (123) 131
Parkar, B.A. and Reeves, W.G.
In vitro priming of human lymphocytes to heterologous insulins (120) 159
Parsons, J.T., see Kanner, S.B. (120) 115
Pascoe, E.W., see Tuson, J.R.D. (121) 47
Pathak, S.S., Vos, Q. and Savelkoul, H.F.J.
Terasaki-ELISA for murine IgE. III. Determination of concentration and functional affinity by sequential equilibrium binding analysis (123) 71
Pathak, S.S., see Savelkoul, H.F.J. (116) 277
Peacock, J.S., see Colsky, A.S. (124) 179
Peakman, M., see Senaldi, G. (124) 283
Pearce, M.K., see Chrétien, I. (117) 67
Peborde, J.P., Laporte, M. and Samain, D.
An inhibition enzyme-linked immunosorbent assay technique for the detection of endotoxins in proteins extracted from *Escherichia coli* K12 recombinant DNA (120) 259
Peclo, M.M., see Muzykantov, V.R. (119) 65
Peeters, J.M., Hazendonk, T.G., Beuvery, E.C. and Tesser, G.I.
Comparison of four bifunctional reagents for coupling peptides to proteins and the effect of the three moieties on the immunogenicity of the conjugates (120) 133
Penney, C.L., Gauldie, J., Evelegh, M., Penney, M.T., Chong, D. and Horsewood, P.
Polycarbonate membranes: a novel surface for solid-phase determinations with utility in field format serological assays (123) 185
Penney, M.T., see Penney, C.L. (123) 185
Pereira, H.A., Martin, L.E. and Spitznagel, J.K.
Quantitation of a cationic antimicrobial granule protein of human polymorphonuclear leukocytes by ELISA (117) 115
Perera, P.Y., see Hogan, M.M. (123) 9

Perez, S., see Kokkinopoulos, D. (119) 59
Perkins, S., see Foung, S.K.H. (116) 117
Perlmann, P., see Andersson, G. (125) 89
Perlmann, P., see Ståhl, S. (124) 43
Persechini, P.M., Liu, C.-C., Detmers, P.A. and Young, J.D.-E.
Heterogeneity of granules of murine cytolytic T lymphocytes. Isolation of a homogeneous population of dense granules (124) 7
Persson, B., see Einarsson, R. (120) 265
Persson, U., see Larsson, P.H. (116) 293
Perticarari, S., see Presani, G. (119) 197
Perutelli, P., Marchese, P., Mori, P.G. and Damiani, G.
A simple, rapid method for screening hybridomas producing monoclonal antibodies to platelet proteins (123) 227
Peruzzi, L., Melioli, G., De Monte, L.B., Alessio, M., Zaccolo, M., Roggero, S., Bellone, G., Funaro, A. and Malavasi, F.
Microplate selection technique (MPST). A new method for selecting mouse transfectants expressing human gene products (123) 113
Petersen, K.-G., see Schuler, G. (116) 27
Peterson, J.D., Kim, J.Y., Melvold, R.W., Miller, S.D. and Waltenbaugh, C.
A rapid method for quantitation of antiviral antibodies (119) 83
Pilatte, Y., Hammer, C.H., Frank, M.M. and Fries, L.F.
A new simplified procedure for C1 inhibitor purification. A novel use for jacalin-agarose (120) 37
Pilling, D., Kitas, G.D., Salmon, M. and Bacon, P.A.
The kinetics of interaction between lymphocytes and magnetic polymer particles (122) 235
Pilling, D., see Hansel, T.T. (122) 97
Pink, J.R., see Guttinger, M. (121) 225
Platts-Mills, T.A.E., see Luczynska, C.M. (118) 227
Poncelet, S., see Collet-Cassart, D. (125) 137
Poole, S., Bristow, A.F., Selkirk, S. and Rafferty, B.
Development and application of radioimmunoassays for interleukin-1α and interleukin-1β (116) 259
Porquet, D., see Biou, D. (125) 1
Porstmann, T., see Döpel, S.-H. (116) 229
Postal, J.M., see Fandeur, T. (118) 109
Poubelle, P.E., see Grassi, J. (123) 193
Pound, J.D., see Hansel, T.T. (122) 97
Pradelles, P., see Grassi, J. (123) 193
Prasad, S., Thraves, P., Kanai, Y., Smulson, M. and Dritschilo, A.
A dot-blot method for screening polyclonal and monoclonal antisera to poly(ADP-ribose) (116) 79
Presani, G., Perticarari, S. and Mangiarotti, M.A.
Flow cytometric detection of anti-gliadin antibodies (119) 197
Preston, L., see Pullman, W.E. (117) 153
Price, D.J., see Cromie, R.L. (122) 195
Price, K., see Harkiss, G.D. (117) 231
Printseva, O.Y., see Muzykantov, V.R. (119) 65
Prowse, C., George, E., Micklem, L.R., Hornsey, V., Brown, J. and James, K.
Human atrial natriuretic factor (ANF). Characterisation of a monoclonal antibody panel and its use in radioimmunoassay (118) 91
Psychoyos, S., Uziel-Fusi, S., Bhagwat, S. and Morrissey, M.M.
Influence of standard and novel LTB_4 analogs on human neutrophil chemotaxis measured by the multiwell cap assay (124) 189
Puklavec, M., see Sedgwick, J.D. (121) 185
Pullman, W.E., Elsbury, S., Kobayashi, M., Hargreaves, J., Preston, L., Van Leeuwen, B. and Hapel, A.J.
Rapid assay and identification of human haemopoietic growth factors (117) 153
Punnonen, J., see Viljanen, M.K. (124) 137
Pyle, J., see O'Hara, B.P. (116) 175

R

Radbruch, A., see Abts, H. (125) 19
Radl, J., see Savelkoul, H.F.J. (116) 265
Rafferty, B., see Poole, S. (116) 259
Ragsdale, R.L. and Grasso, R.J.
An improved spectrofluorometric assay for quantitating yeast phagocytosis in cultures of murine peritoneal macrophages (123) 259
Rakowicz-Szulczynska, E.M., Linnenbach, A. and Koprowski, H.
Rapid and sensitive method to detect expression of growth factor receptors (116) 167
Ramilo, O., see Mertsola, J. (122) 219
Rana, R., see Vitale, M. (121) 115
Raoult, D. and Dasch, G.A.
The line blot: an immunoassay for monoclonal and other antibodies. Its application to the serotyping of Gram-negative bacteria (125) 57
Rasi, S., Suvanto, E., Vilpo, L.M. and Vilpo, J.A.
Time-resolved fluoroimmunoassay of 5-methyl-2′-deoxycytidine employing europium-labeled antigen as tracer (117) 33
Ratner, S., see Loeffler, D. (119) 95
Read, D.A., see Kardana, A. (118) 53
Reading, C.L., see Bator, J.M. (125) 167
Reddigari, S. and Kaplan, A.P.
Quantification of human high molecular weight kininogen by immunoblotting with a monoclonal anti-light chain ar 'i-body (119) 19
Reddigari, S.R.
Reply to the letter of B. Lämmle (125) 293
Reen, D.J., see Doran, M. (118) 237
Reeves, W.G., see Parkar, B.A. (120) 159
Reiter, C., see Zwirner, J. (124) 121
Remick, D.G., see Eskandari, M.K. (118) 85
Reuman, P.D., Keely, S.P. and Schiff, G.M.
Isolation and characterization of mouse nasal lymphocytes (125) 49
Revell, P.A., see Lalor, P.A. (122) 149
Revillard, J.P., see Kaiserlian, D. (122) 243

Reynolds, A.B., see Kanner, S.B. (120) 115
Ribeiro-da-Silva, A., see Elliott, P.J. (123) 141
Rice, G.C., see Woronicz, J.D. (120) 291
Richards, D., see Kemeny, D.M. (120) 251
Richardson, N.A. and McAvoy, J.W.
An enzyme-linked immunosorbent assay for the quantitation of DNA (125) 287
Rieben, R. and Blaser, K.
Quantification of IgG and IgG4 antibodies to bee venom phospholipase A_2 by competitive inhibition in ELISA (119) 1
Rieger, C.H.L., see Schauer, U. (116) 221
Riethmüller, G., see Zwirner, J. (124) 121
Rigal, O., see Biou, D. (125) 1
Rigg, K.M., Shenton, B.K., Murray, I.A., Givan, A.L., Taylor, R.M.R. and Lennard, T.W.J.
A flow cytometric technique for simultaneous analysis of human mononuclear cell surface antigens and DNA (123) 177
Rijkers, G.T., see Griffioen, A.W. (120) 23
Rinehart, J., see Colborn, D. (119) 247
Rios, A.M., see Janssen, W.E. (121) 289
Rittner, C., see Chrispeels, J. (125) 5
Rizzoli, R., see Vitale, M. (121) 115
Robins, R.A. and Laxton, R.R.
Reply to the letter of P.A. Underwood (121) 145
Robinson, L., see Lett-Brown, M.A. (117) 163
Roche, C., see Kaiserlian, D. (122) 243
Rochu, D., Crespeau, H., Fine, A. and Fine, J.-M.
A sensitive double-diffusion microassay suitable for the detection of idiotype-antiidiotype precipitates (118) 67
Rogers, K.J., see Khazaeli, M.B. (117) 175
Roggero, S., see Peruzzi, L. (123) 113
Rolleri, E., see Görög, G. (123) 131
Roos, D., see Kuypers, T.W. (124) 85
Roos, M.T.L., see Bloemena, E. (122) 161
Rosebrough, S.F., McAfee, J.G., Grossman, Z.D. and Schemancik, L.A.
Immunoreactivity of ^{111}In and ^{131}I fibrin-specific monoclonal antibody used for thrombus imaging (116) 123
Rosette, C., see Pallavicini, M.G. (117) 99
Rossi, R., see Bigio, M. (123) 1
Roth, M., see Bhakdi, S. (121) 61
Roumagnac, I. and Laboisse, C.L.
A simple immunofiltration assay for mucins secreted by a human colonic epithelial cell line (122) 265
Rowan, A.J., see Kardana, A. (118) 53
Rowley, D., see Bartholomeusz, R.C.A. (117) 247
Ruocco, E., see Chersi, A. (122) 285
Rup, B.J.
Production of large numbers of hybridomas producing monoclonal antibodies against rat IgE using mast cell-deficient w/w^v and sl/sl^d strains of mice (122) 137
Rutz, R., see Zilow, G. (121) 261
Ryan, W., see Ho, J.J.L. (125) 97
Ryffel, B., see Foxwell, B.M.J. (117) 147

S

Saarma, M., see Arumäe, U. (122) 59
Sadi, D., see Verrier Jones, J. (118) 79
Sáez-Llorens, X., see Mertsola, J. (122) 219
Sakaguchi, M., Inouye, S., Miyazawa, H. and Tamura, S.-i.
Measurement of antigen-specific mouse IgE by a fluorometric reverse (IgE-capture) ELISA (116) 181
Sakurai, Y., see Bigelow, J.C. (117) 289
Sakurami, T., see Ishibashi, K. (119) 217
Salmon, M., see Hansel, T.T. (122) 97
Salmon, M., see Pilling, D. (122) 235
Sam, C.-K., see Cheng, H.-M. (124) 235
Samain, D., see Peborde, J.P. (120) 259
Samuel, D., see Harmer, I.J. (122) 115
Sánchez, A., see Sánchez-Corral, P. (122) 105
Sánchez-Corral, P., Antón, L.C., Alcolea, J.M., Marqués, G., Sánchez, A. and Vivanco, F.
Separation of active and inactive forms of the third component of human complement, C3, by fast protein liquid chromatography (FPLC) (122) 105
Sartorelli, A.C., see King, I.C. (118) 297
Sato, H., Watanabe, K., Azuma, J., Kidaka, T. and Hori, M.
Specific removal of IgE by therapeutic immunoadsorption system (118) 161
Satomi, Y., see Ota, F. (124) 259
Saul, A., see Jones, G.L. (123) 211
Savelkoul, H.F.J., Soeting, P.W.C., De Josselin De Jong, J.E. and Pathak, S.S.
Terasaki-ELISA for murine IgE antibodies. II. Quantitation of absolute concentration of antigen-specific and total IgE (116) 277
Savelkoul, H.F.J., Soeting, P.W.C., Radl, J. and Van Der Linde-Preesman, A.A.
Terasaki-ELISA for murine IgE-antibodies. I. Quality of the detecting antibody: Production and specificity testing of antisera specific for IgE (116) 265
Savelkoul, H.F.J., see Pathak, S.S. (123) 71
Savolainen, J. and Viander, M.
Analysis of *Candida albicans* allergen extracts with a novel crossed enzyme immunoelectrophoresis (CEIE) technique. Binding of the colour precipitate to a nitrocellulose membrane (117) 285
Saxby, S.J.Y., see Tuson, J.R.D. (121) 47
Saxena, R., Isaksson, B., Bygren, P. and Wieslander, J.
A rapid assay for circulating anti-glomerular basement membrane antibodies in Goodpasture syndrome (118) 73
Sayadyan, H.S., see Tertov, V.V. (118) 139
Schäfer, H., Müller, B., Bader, A., Schenkel, J. and Burger, R.
Analysis of guinea pig leukocyte antigens using interspecies T cell hybrids (118) 169

Schauer, U., Krolikowski, I. and Rieger, C.H.L.
Detection of activated lymphocyte subsets by fluorescence and MTT staining (116) 221
Schellekens, P.T.A., see Bloemena, E. (122) 161
Schemancik, L.A., see Rosebrough, S.F. (116) 123
Schenkel, J., see Schäfer, H. (118) 169
Schiff, G.M., see Reuman, P.D. (125) 49
Schindler, R. and Dinarello, C.A.
A method for removing interleukin-1- and tumor necrosis factor-inducing substances from bacterial cultures by ultrafiltration with polysulfone (116) 159
Schleimer, R.P., see Bochner, B.S. (125) 265
Schleinkofer, L., see Maly, F.-E. (122) 91
Schlueter, A.J., Segre, M. and Segre, D.
Detection and enumeration of immunoglobulin secreting cells (124) 35
Schlumberger, H.D., see Hewlett, G. (117) 243
Schmid, K.W., see Hittmair, A. (116) 199
Schmidt-Wolf, I.G.H., Aihara, M., Negrin, R.S., Blume, K.G. and Chao, N.J.
Lymphokine-activated killer cell activity after cryopreservation (125) 185
Schmitt, D., see Staquet, M.-J. (116) 287
Schmoll, E., see Wettendorff, M. (116) 105
Schneider, C.H., see Von Grünigen, R. (125) 143
Schneider, Y.-J.
Optimisation of hybridoma cell growth and monoclonal antibody secretion in a chemically defined, serum- and protein-free culture medium (116) 65
Schobert, A., see Northoff, H. (116) 147
Schraag, B., see Asghar, S.S. (120) 207
Schraag, B., see Asghar, S.S. (124) 285
Schuler, G., Kuphal, K., Khalaf, A.-N., Petersen, K.-G. and Kerp, L.
Gamma irradiation as a substitute for H_2O_2 in peroxidase-labelled enzyme immunoassays (116) 27
Schulte, J.R., see Waldrep, J.C. (118) 273
Sechler, J.M.G., Warren, M.K. and Gallin, J.I.
Human non-transformed monocyte-derived macrophage cell lines (119) 277
Sedgwick, J.D., MacPhee, I.A.M. and Puklavec, M.
Isolation of encephalitogenic $CD4^+$ T cell clones in the rat. Cloning methodology and interferon-γ secretion (121) 185
Segre, D., see Schlueter, A.J. (124) 35
Segre, M., see Schlueter, A.J. (124) 35
Segurado, O.G. and Arnaiz-Villena, A.
Simultaneous detection of allotypes in native and activated human C2 by isoelectric focusing and silver staining (117) 9
Sehgal, S., see Jagannath, C. (124) 251
Selkirk, S., see Poole, S. (116) 259
Senaldi, G., Peakman, M. and Vergani, D.
ELISA methods for the estimation of C3d (124) 283
Senesi, S., see Ota, F. (124) 259
Serafini-Cessi, F., Bellabarba, G., Malagolini, N. and Dall'Olio, F.
Rapid isolation of Tamm-Horsfall glycoprotein (uromodulin) from human urine (120) 185
Serke, S., Neubauer, A. and Van Lessen, A.
Binding of mitogenic plant lectins to human lymphocytes. Flow cytometric analysis (121) 231
Serrano, C., see Moscoso del Prado, J. (124) 219
Shand, G.H., see Kronborg, G. (122) 51
Shaughnessy, K.J., see Bobrow, M.N. (125) 279
Shenton, B.K., see Rigg, K.M. (123) 177
Shima, M., see Takata, Y. (117) 107
Shimamura, T., see Taki, S. (122) 33
Shimane, M., see Motojima, H. (118) 187
Shimozuru, Y., see Fujii, K. (124) 63
Shirai, T., see Taki, S. (122) 33
Shopp, G.M., see Ashmore, L.M. (118) 209
Sidki, A.M., see Al-Abdulla, I.H. (122) 253
Sidorova, E., see Golubev, A. (125) 29
Singleton, A.M., see Edwards, R.J. (117) 215
Singleton, J., see Gillette, R.W. (124) 277
Sinigaglia, F., see Guttinger, M. (121) 225
Sinijärv, R., see Arumäe, U. (122) 59
Sipe, J.D., Gonnerman, W.A., Loose, L.D., Knapschaefer, G., Xie, W.-J. and Franzblau, C.
Direct binding enzyme-linked immunosorbent assay (ELISA) for serum amyloid A (SAA) (125) 125
Siskind, G.W., see Brown, D.W. (116) 45
Sjögren, H.-O., see Andersson, U. (123) 233
Sjölander, A., see Ståhl, S. (124) 43
Sjöquist, J., see Larsson, A. (119) 103
Sjursen, H., Bjerknes, R., Halstensen, A., Næss, A., Sørnes, S. and Solberg, C.O.
Flow cytometric assay for the measurement of serum opsonins to *Neisseria meningitidis* serogroup B, serotype 15 (116) 235
Slezak, S.E. and Horan, P.K.
Cell-mediated cytotoxicity. A highly sensitive and informative flow cytometric assay (117) 205
Smith, D.S., see Al-Abdulla, I.H. (122) 253
Smith, Jr., M.F., Kueppers, F.R., Young, P.R. and Lee, J.C.
A rapid and quantitative method for the determination of interleukin-1α and -β mRNA expression in human monocytes and macrophages (118) 265
Smulson, M., see Prasad, S. (116) 79
Soeting, P.W.C., see Savelkoul, H.F.J. (116) 265
Soeting, P.W.C., see Savelkoul, H.F.J. (116) 277
Solberg, C.O., see Sjursen, H. (116) 235
Sørnes, S., see Sjursen, H. (116) 235
Spencer, L., see Jones, G.L. (123) 211
Spitznagel, J.K., see Pereira, H.A. (117) 115
Spitznagel, J.K., see Stinavage, P. (124) 267
Srikumaran, S., see Onisk, D.V. (125) 203
Ståhl, S., Sjölander, A., Nygren, P.-Å., Berzins, K., Perlmann, P. and Uhlén, M.
A dual expression system for the generation, analysis and purification of antibodies to a repeated sequence of the *Plasmodium falciparum* antigen Pf155/RESA (124) 43
Stanford, J.L., see Cromie, R.L. (122) 195
Staquet, M.-J., De Fraissinette, A., Dezutter-Dambuyant, C., Schmitt, D. and Thivolet, J.

A combined method for detection of cell surface marker expression and bromodeoxyuridine (BrdU) uptake by epidermal cells in suspension (116) 287
Starkey, J.R., see Berglund, D.L. (125) 79
Stedman, K.E. and Campbell, P.A.
An [^{35}S]methionine cytotoxicity assay requiring small numbers of effector and target cells (119) 291
Stewart, D., see Longley, R.E. (121) 33
Stewart, F., Callander, A. and Garwes, D.J.
Comparison of ascites production for monoclonal antibodies in BALB/c and BALB/c-derived cross-bred mice (119) 269
Stewart, G.A., see McWilliam, A.S. (121) 53
Stewart, J., see Balint, Jr., J. (116) 37
Stewart, S.S. and Fuller, S.A.
Enhancement of hybridoma production by medium supplemented with murine ascitic fluid (123) 45
Stinavage, P. and Spitznagel, J.K.
Oxygen-independent antimicrobial action in sphingosine-treated neutrophils (124) 267
Sting, R., see Lämmler, C. (124) 131
Stites, D.P., see McHugh, T.M. (116) 213
Stolz, E., see IJsselmuiden, O.E. (119) 35
Stoner, C.R., see Gaffney, E.V. (122) 211
Storch, M.-J., Alexopoulos, A. and Kerp, L.
Evaluation of a solid-phase monoclonal antibody-based enzyme immunoassay for insulin in human serum (119) 53
Stott, D.I.
Immunoblotting and dot blotting (119) 153
Street, J., see Young, N.T. (122) 143
Strom, R., see Görög, G. (123) 131
Stuart, M.C., see Boscato, L.M. (117) 221
Stünkel, K.G., see Hewlett, G. (117) 243
Suda, T., Hodgkin, P., Lee, F. and Zlotnik, A.
Biological activity of recombinant murine interleukin-6 in interleukin-1 T cell assays (120) 173
Sugawara, I., see Jitsukawa, T. (116) 251
Sunahara, N., Kawata, S., Kaibe, K., Furuta, R., Yamayoshi, M., Yamada, M. and Kurooka, S.
Differential determination of recombinant human interleukin-1α and its deamidated derivative by two sandwich enzyme immunoassays using monoclonal antibodies. Comparison with a polyclonal antibody-based competitive enzyme immunoassay (119) 75
Sutherland, H.J., see Thomas, T.E. (120) 221
Sutherland, W.M., see Tosic, L. (120) 241
Suvanto, E., see Rasi, S. (117) 33
Suzuki, N., Matsumoto, H., Kitada, C., Masaki, T. and Fujino, M.
A sensitive sandwich-enzyme immunoassay for human endothelin (118) 245
Swaim, S.E., see Myers, D.E. (121) 129
Swann, K., see Horton, J.K. (124) 225
Swinburne, S., see Horton, J.K. (124) 225
Syu, W.-J. and Kahan, L.
Epitope characterization by modifications of antigens and by mapping on resin-bound peptides. Discriminating epitopes near the C-terminus and N-terminus of *Escherichia coli* ribosomal protein S13 (118) 153

T

Tager, J.M., see De Boer, M. (121) 253
Tajima, T., see Nakamura, Y. (118) 31
Takahara, Y., see Taki, S. (122) 33
Takahashi, T., see Mita, S. (125) 233
Takai, S., see Hirano, T. (119) 145
Takase, K., Iwaki, K., Gunji, T. and Yata, J.
Fluorescence intensity analysis through simplex optimization in flow cytometry (118) 129
Takata, Y., Moriyama, T., Fukumori, Y., Yoden, A., Shima, M. and Inai, S.
A biotin-avidin sandwich ELISA for quantification of intact complement component C9. The sera from hereditary C9 deficient individuals completely lack C9 (117) 107
Takatsu, K., see Mita, S. (125) 233
Taki, S., Shimamura, T., Abe, M., Shirai, T. and Takahara, Y.
Biotinylation of human interleukin-2 for flow cytometry analysis of interleukin-2 receptors (122) 33
Talbot, B.G., see Leblond, F.A. (124) 71
Tam, J.P. and Zavala, F.
Multiple antigen peptide. A novel approach to increase detection sensitivity of synthetic peptides in solid-phase immunoassays (124) 53
Tamaki, Y., see Kimura, A. (116) 99
Tamura, S.-i., see Sakaguchi, M. (116) 181
Tang, T.-K., see Hong, T.-H. (120) 151
Taniguchi, O., see Hirano, T. (119) 145
Tank, B., see IJsselmuiden, O.E. (119) 35
Tarcha, P.J., Bindseil, W. and Chu, V.P.
Absorption-enhanced solid-phase immunoassay method via water-swellable poly(acrylamide) microparticles (125) 243
Tatsumi, N., see Hashimoto, K. (125) 295
Tavoni, A., see Wu, D.-H. (121) 219
Taylor, D., see Foxwell, B.M.J. (117) 147
Taylor, M.E., see Kardana, A. (118) 53
Taylor, R.M.R., see Rigg, K.M. (123) 177
Taylor, R.P., see Tosic, L. (120) 241
Ten Voorde, G.H.J., see De Boer, M. (121) 253
Terato, K., see Fujii, K. (124) 63
Termijtelen, A., see Zhang, L. (121) 39
Terpstra, C., see Van Maanen, C. (124) 111
Terstappen, L.W.M.M., Meiners, H. and Loken, M.R.
A rapid sample preparation technique for flow cytometric analysis of immunofluorescence allowing absolute enumeration of cell subpopulations (123) 103
Tertov, V.V., Sayadyan, H.S., Kalantarov, G.F., Molotkovsky, J.G., Bergelson, L.D. and Orekhov, A.N.
Use of lipophilic fluorescent probes for the isolation of hybrid cells in flow cytometry (118) 139
Tesch, H., see Abts, H. (125) 19
Tesser, G.I., see Peeters, J.M. (120) 133
Te Velde, A.A., see Klomp, J.P.G. (118) 47
The, T.H., see Hoven, M.Y. (117) 275
The, T.H., see Van der Voort, L.H.M. (121) 95

Theobald, M., Hoffmann, T. and Heit, W.
Assessment of human allospecific IL-2-secreting helper T lymphocytes in limiting dilution cultures using restimulation and split well analysis (121) 19
Thivolet, J., see Guérin-Reverchon, I. (123) 167
Thivolet, J., see Staquet, M.-J. (116) 287
Thomas, T.E., Sutherland, H.J. and Lansdorp, P.M.
Specific binding and release of cells from beads using cleavable tetrameric antibody complexes (120) 221
Thompson, E.J., see Luxton, R.W. (121) 269
Thompson, R.A., see Hønsel, T.T. (122) 97
Thorsby, E., see Bosnes, V. (118) 251
Thraves, P., see Prasad, S. (116) 79
Tite, J.P., see Hutchings, P.R. (120) 1
Tokunaga, T., see Kitamura, K. (121) 281
Torensma, R., see Erich, T. (118) 17
Tosic, L., Sutherland, W.M., Kurek, J., Edberg, J.C. and Taylor, R.P.
Preparation of monoclonal antibodies to C3b by immunization with C3b(i)-Sepharose (120) 241
Totorica, C., see Balint, Jr., J. (116) 37
Traincard, F., Chevrier, D., Mazie, J.C. and Guesdon, J.L.
Monoclonal anti-nucleoside antibodies. Characterization and application in an enzyme immunoassay of single-stranded DNA (123) 83
Tschammer, T., see Vogel, L. (116) 31
Tsuji, M., see Fujii, K. (124) 63
Tsuji, T., see Kimura, A. (116) 99
Tsujii, T., see Ishizaka, S. (124) 17
Tsuruta, T., see Bigelow, J.C. (117) 289
Tuck, A., see Wilkin, T. (122) 123
Tumosa, N. and Kahan, L.
Fluorescent EIA screening of monoclonal antibodies to cell surface antigens (116) 59
Tuson, J.R.D., Jacob, D.A., Pascoe, E.W. and Saxby, S.J.Y.
Immunodetection of human tumour-associated cell-bound antigens by human monoclonal antibodies (121) 47

U

Uchiyama, H. and Akatsuka, J.
ELISA-plaque assay for the detection of platelet antibody-secreting cells. I. Studies on optimization of reagent concentrations and culture conditions for enumeration of spot-forming cells (117) 199
Uckun, F.M., see Myers, D.E. (121) 129
Uda, T., see Usagawa, T. (119) 111
Ueda, A., see Hirano, T. (119) 145
Ueyama, H., see Kurooka, S. (118) 147
Uhlén, M., see Ståhl, S. (124) 43
Underwood, P.A.
Comments on 'Measurement of tumour reactive antibody and antibody conjugate by competition, quantitated by flow cytometry', by Robins et al. (1986) J. Immunol. Methods 90, 165–172 (121) 143
Uozumi, K., see Ishibashi, K. (119) 217
Urwyler, A., see Maly, F.-E. (122) 91
Usagawa, T., Nishimura, M., Uda, T. and Nakahara, Y.
Preparation of monoclonal antibodies against methamphetamine (119) 111
Uziel-Fusi, S., see Psychoyos, S. (124) 189

V

Vaishnav, Y.N. and Antony, A.
Antibodies raised against denatured DNA bind to double-stranded DNA (118) 25
Valerio, D., see De Lau, W.B.M. (117) 1
Vallera, D.A., see Myers, D.E. (121) 129
Vance, B.A., Karlson, K.H., Morganelli, P.M. and Guyre, P.M.
Single step screening of monoclonal antibodies against interferon-γ-induced surface molecules on human monocytes (118) 287
Vandekerckhove, B., see Zhang, L. (121) 39
Van den Abbeele, E., see Collet-Cassart, D. (125) 137
Van den Berg, C.W., Van Dijk, H. and Capel, P.J.A.
Rapid isolation and characterization of native mouse complement components C3 and C5 (122) 73
Van den Brink, J.A.M., see Ossendorp, F.A. (120) 191
Van den Oord, J.J., see Van der Loos, C.M. (117) 45
Van Der Linde-Preesman, A.A., see Savelkoul, H.F.J. (116) 265
Van der Loos, C.M., Das, P.K., Van den Oord, J.J. and Houthoff, H.J.
Multiple immunoenzyme staining techniques. Use of fluoresceinated, biotinylated and unlabelled monoclonal antibodies (117) 45
Van der Ploeg, J.R., Drijfhout, J.W., Feijlbrief, M., Bloemhoff, W., Welling, G.W. and Welling-Wester, S.
Immunological properties of multiple repeats of a linear epitope of herpes simplex virus type 1 glycoprotein D (124) 211
Van der Velden-de Groot, T., see Jiskoot, W. (124) 143
Van der Voort, L.H.M., Van Zanten, J., De Leij, L.F.M.H. and The, T.H.
Determination of human antibodies to specific antigens of cytomegalovirus using an antigen capture immunoassay (121) 95
Vandesande, F., see Berghman, L.R. (125) 225
Van Dijk, H., see Van den Berg, C.W. (122) 73
Van Duijn, G., see De Boer, M. (121) 253
Van Eijk, R.V.W., see IJsselmuiden, O.E. (119) 35
Van Heijst, J.L.A.M., see Bloemena, E. (122) 161
Van Hertrooij, J.J.C.C., see Jiskoot, W. (124) 143
Van Kats-Renaud, H.J., see Van Kessel, K.P.M. (118) 279

Van Kessel, K.P.M., Van Strijp, J.A.G., Miltenburg, L.M., Van Kats-Renaud, H.J., Fluit, A.C. and Verhoef, J.
Antibody-coated target cell membrane-induced chemiluminescence by human polymorphonuclear leukocytes (118) 279
Van Kimmenade, A., see Chrétien, I. (117) 67
Van Leeuwen, B., see Pullman, W.E. (117) 153
Van Lessen, A., see Serke, S. (121) 231
Van Loon, A.E., see De Lau, W.B.M. (117) 1
Van Maanen, C. and Terpstra, C.
Comparison of a liquid-phase blocking sandwich ELISA and a serum neutralization test to evaluate immunity in potency tests of foot-and-mouth disease vaccines (124) 111
Van Meegen, M., see Asghar, S.S. (124) 285
Van Rood, J.J., see Zhang, L. (121) 39
Van Rooijen, N.
The liposome-mediated macrophage 'suicide' technique (124) 1
Van Strijp, J.A.G., see Van Kessel, K.P.M. (118) 279
Van Vunakis, H., see Levine, L. (124) 239
Van Zanten, J., see Van der Voort, L.H.M. (121) 95
Veitch, D., see Harkiss, G.D. (117) 231
Venneker, G.T., see Asghar, S.S. (120) 207
Venneker, G.T., see Asghar, S.S. (124) 285
Vergani, D., see Senaldi, G. (124) 283
Verhoef, J., see Erich, T. (118) 17
Verhoef, J., see Van Kessel, K.P.M. (118) 279
Verrier Jones, J., Mansour, M., James, H., Sadi, D. and Carr, R.I.
A substrate amplification system for enzyme-linked immunoassays. II. Demonstration of its applicability for measuring anti-DNA antibodies (118) 79
Viander, M., see Savolainen, J. (117) 285
Viel, A. and Le Maire, M.
The immunocross test. An immunoelectrophoretic method based on the difference between the isoelectric points of antigens and immunoglobulins (119) 287
Vihko, P., see Hakalahti, L. (117) 131
Viljanen, M.K. and Punnonen, J.
The effect of storage of antigen-coated polystyrene microwells on the detection of antibodies against *Borrelia burgdorferi* by enzyme immunoassay (EIA) (124) 137
Vilpo, J.A., see Rasi, S. (117) 33
Vilpo, L.M., see Rasi, S. (117) 33
Viselli, S.M. and Mastro, A.M.
Detection and quantitation of interleukin-2 from individual cells (125) 115
Vitale, M., Neri, L.M., Comani, S., Falcieri, E., Rizzoli, R., Rana, R. and Papa, S.
Natural killer function in flow cytometry. II. Evaluation of NK lytic activity by means of target cell morphological changes detected by right angle light scatter (121) 115
Vitali, C., see Wu, D.-H. (121) 219
Vittoz, M., see Maly, F.-E. (122) 91
Vivanco, F., see Sánchez-Corral, P. (122) 105
Voelter, W., see Mihelić, M. (122) 7
Vogel, L., Hildebrand, A., Tschammer, T. and Haustein, D.
Hydrophobic labelling of membrane-embedded proteins with lipophilic reagents. Incorporation of [^{125}I]INA and [^{125}I]TID into B lymphocyte membrane immunoglobulins (116) 31
Vogel, S.N., see Hogan, M.M. (123) 9
Volgmann, T., Klein-Struckmeier, A. and Mohr, H.
A fluorescence-based assay for quantitation of lymphokine-activated killer cell activity (119) 45
Volpini, G., see Bigio, M. (123) 1
Von Baehr, R., see Döpel, S.-H. (116) 229
Von Grünigen, R. and Schneider, C.H.
Epitope analysis: biotinylated short peptides as inhibitors of anti-peptide antibody (125) 143
Von Knebel Doeberitz, M., Drzonek, H., Koch, S. and Becker, C.-M.
A simplified solid-phase assay for the quantitation of native membrane proteins. Application to the measurement of EGF receptor induction by dexamethasone (122) 259
Vos, Q. and Benner, R.
Analysis of anti-insulin antibodies using time-resolved fluoroimmunoassay (122) 43
Vos, Q., see Pathak, S.S. (123) 71
Voss, Jr., E.W., see Lacy, M.J. (116) 87
Vossen, J.M.J.J., see Bloemena, E. (122) 161

W

Wagener, C., see Krüger, U. (117) 25
Wagner, L.A., see Gaffney, E.V. (122) 211
Wahlström, M., see Larsson, P.H. (116) 293
Wakimasu, M., see Watanabe, H. (124) 25
Waldrep, J.C. and Schulte, J.R.
HPLC chromatofocusing of human immunoglobulins (118) 273
Walsh, B.J. and Howden, M.E.H.
A method for the detection of IgE binding sequences of allergens based on a modification of epitope mapping (121) 275
Waltenbaugh, C., see Peterson, J.D. (119) 83
Wang, S.-C., see Hong, T.-H. (120) 151
Wang, Y.J., see McHugh, T.M. (116) 213
Warren, M.K., see Sechler, J.M.G. (119) 277
Wasi, S., see Haun, M. (121) 151
Watanabe, H., Wakimasu, M. and Kondo, K.
A sensitive enzyme immunoassay for atrial natriuretic polypeptide (124) 25
Watanabe, H., see Jitsukawa, T. (116) 251
Watanabe, K., see Nakamura, Y. (118) 31
Watanabe, K., see Sato, H. (118) 161
Weening, R.S., see Kuypers, T.W. (124) 85
Wei, W.-Z., Fisher, S. and Kohler, H.
Improved anti-tumor reactivity with monoclonal anti-idiotypic antibody conjugated to syngeneic mouse red blood cells (122) 227

Weijer, W.J., see Geerligs, H.J. (124) 95
Weissman, I.L., see O'Neill, H.C. (122) 79
Welling, G.W., see Geerligs, H.J. (124) 95
Welling, G.W., see Van der Ploeg, J.R. (124) 211
Welling-Wester, S., see Geerligs, H.J. (124) 95
Welling-Wester, S., see Van der Ploeg, J.R. (124) 211
Werkmeister, J.A., see Hewish, D.R. (120) 285
Wesolowski, J., see Gillies, S.D. (125) 191
Westermann, J., see Willführ, K.U. (120) 29
Wettendorff, M., Iliopoulos, D., Schmoll, E., Koprowski, H. and Herlyn, D.
Specific detection of antibodies in cancer patients following immunotherapy with anti-idiotype (116) 105
Wickert, L., see Krüger, U. (117) 25
Wierda, W.G., Mehr, D.S. and Kim, Y.B.
Comparison of fluorochrome-labeled and ^{51}Cr-labeled targets for natural killer cytotoxicity assay (122) 15
Wieslander, J., see Saxena, R. (118) 73
Wilkin, T., Casey, C., Tuck, A. and Englefield, P.
An enzyme-linked immunosorbent assay (ELISA) for the measurement of serum antibodies to growth hormone. The Wessex Growth Study (122) 123
Wilkin, T.J., see Bullen, H. (121) 247
Wilkinson, P.C., see Islam, L.N. (121) 75
Willette-Brown, J., see Harel-Bellan, A. (119) 127
Willführ, K.U., Westermann, J. and Pabst, R.
Immunohistological localization and characterization of FITC-labelled lymphocytes. A rapid and inexpensive method for studying migration (120) 29
William, , see Harel-Bellan, A. (119) 127
Wilson, R.J., see Collins, R.J. (116) 53
Winter, M., see Buschmann, H. (124) 231
Wirth, B., see Dannhorn, D.R. (119) 223
Wittrup, K.D., see Meilhoc, E. (121) 167
Wolf, H., see Modrow, S. (118) 1
Wong, M.F., see Bloom, J.W. (117) 83
Woolley, J., see Meager, A. (116) 1
Woronicz, J.D. and Rice, G.C.
Simple modification of a commercial flow cytometer to triple laser excitation. Simultaneous five-color fluorescence detection (120) 291
Wu, D.-H., Tavoni, A., Garzelli, C., Neri, R., Vitali, C. and Bombardieri, S.
A simple method for the biochemical purification of Ro/SS-A antigen (121) 219
Wu, Z.W. and Maddy, A.H.
The identification of antigens in antibody/antigen complexes using high performance liquid chromatography (124) 165
Wuest, C.J., see Kinoshita, Y. (124) 29

X

Xie, W.-J., see Sipe, J.D. (125) 125
Xu, J.-Y., Gorny, M.K. and Zolla-Pazner, S.
An immuno-dot blot assay for the detection of antibody to HIV (120) 179

Y

Yamada, M., see Sunahara, N. (119) 75
Yamakawa, N., see Hirano, T. (119) 145
Yamamura, M., see Nakamura, Y. (118) 31
Yamayoshi, M., see Sunahara, N. (119) 75
Yasuda, R., see Masaki, T. (123) 19
Yasuda, T., see Hosoda, K. (121) 121
Yasuoka, M., see Ota, F. (124) 259
Yata, J., see Takase, K. (118) 129
Yates, M.T., see Mao, S.J.T. (120) 45
Yoden, A., see Takata, Y. (117) 107
Young, H.A., see Beckwith, M. (123) 249
Young, J.D.-E., see Persechini, P.M. (124) 7
Young, N.T., Street, J. and Darke, C.
A miniaturised method for immunoglobulin allotype serology (122) 143
Young, P.R.
Enhancement of immunoblot staining using a mixed chromogenic substrate (121) 295
Young, P.R., see Smith, Jr., M.F. (118) 265
Yui, N., see Bigelow, J.C. (117) 289

Z

Zaccolo, M., see Peruzzi, L. (123) 113
Zanussi, C., see Capsoni, F. (120) 125
Zavala, F., see Tam, J.P. (124) 53
Zegers, B.J.M., see Griffioen, A.W. (120) 23
Zerbini, M., see Gentilomi, G. (125) 177
Zhang, L., Li, S.G., Vandekerckhove, B., Termijtelen, A., Van Rood, J.J. and Claas, F.H.J.
Analysis of cytotoxic T cell precursor frequencies directed against individual HLA-A and -B alloantigens (121) 39
Zhao, Y.-c., see Liu, Y.-c. (124) 159
Zigmond, S.H., see Buettner, H.M. (123) 25
Zilow, G., Naser, W., Rutz, R. and Burger, R.
Quantitation of the anaphylatoxin C3a in the presence of C3 by a novel sandwich ELISA using monoclonal antibody to a C3a neoepitope (121) 261
Zimmermann, U., see Däumler, R. (122) 203
Zlotnik, A., see Suda, T. (120) 173
Zolla-Pazner, S., see Xu, J.-Y. (120) 179

Zorn, I., see Asghar, S.S. (120) 207
Zwilling, B., see Colborn, D. (119) 247
Zwirner, J., Felber, E., Reiter, C., Riethmüller, G. and Feucht, H.E.
Deposition of complement activation products on plastic-adsorbed immunoglobulins. A simple ELISA technique for the detection of defined complement deficiencies (124) 121

Subject index
Volumes 116–125
1989

A

ABO, human blood groups
ELISA; Anti-A antibody, human; Anti-B antibody, human; Isoagglutinin (Buchs, J.-P. (118) 37)

Absolute leukocyte number
Hypotonic; FACS; NH_4Cl lysing (Terstappen, L.W.M.M. (123) 103)

Accoustic radiation force
Ultrasound; Standing wave; Agglutination; *Legionella pneumophila* (Jepras, R.I. (120) 201)

Acetylcholinesterase
Interleukin-1; Cytokine; Enzyme immunoassay; Monoclonal antibody; Inflammation (Grassi, J. (123) 193)

α_1-Acid glycoprotein
Immunoassay; ELISA (Biou, D. (125) 1)

Acid phosphatase
Monoclonal antibody purification; Immunoscintigraphy; Prostatic cancer (Hakalahti, L. (117) 131)

Acridine orange
Neutrophil; Phagocytosis; *Staphylococcus aureus*; Phagocyte deficiency, functional (Bellinati-Pires, R. (119) 189)

Activated T cell
Monoclonal antibody; Fluorescence; Lymphocyte subset; Flow cytometry (Ashmore, L.M. (118) 209)

Acute-phase protein
Serum amyloid A (SAA, apoSAA); ELISA; Amyloidosis (Sipe, J.D. (125) 125)

Adherence assay
Chemotaxis assay; Densitometer; Quantification (Klomp, J.P.G. (118) 47)

Adhesion
Monocyte; Polymorphonuclear leukocyte; Platelet; Myeloperoxidase; ELISA plate (Bath, P.M.W. (118) 59)

Adhesion chromatography
Cell separation; Hydrodynamic force; Field-flow fractionation (Bigelow, J.C. (117) 289)

Adjuvant
Herpes simplex virus type 1 glycoprotein D; Synthetic peptide (Geerligs, H.J. (124) 95)

Adsorption behavior
Antibody immobilization; Native antibody; Denatured antibody; Silica substrate (Lin, J.N. (125) 67)

Adult respiratory distress syndrome
C3a-desArg, human; Monoclonal antibody; Neoantigen; ELISA (Zilow, G. (121) 261)

Afferent lymph
Veiled cell; Density gradient (Galkowska, H. (116) 207)

Affinity
Oligoclonal band; Specific IgG (Luxton, R.W. (121) 269)

Terasaki-ELISA; Sequential equilibrium binding analysis; Quantitation (Pathak, S.S. (123) 71)

Affinity constant
Monoclonal antibody; Cell surface antigen; ELISA; Flow cytometry (Bator, J.M. (125) 167)

Affinity distribution measurement
Time-resolved fluoroimmunoassay; Insulin antibody; Serum analysis (Vos, Q. (122) 43)

Affinity purification
Anti-peptide antibody; Coupling method; Cross-reactivity; ELISA (Edwards, R.J. (117) 215)

Recombinant interleukin-1β, human; Monoclonal antibody (Bigio, M. (123) 1)

Agglutination
Ultrasound; Standing wave; Accoustic radiation force; *Legionella pneumophila* (Jepras, R.I. (120) 201)

Aggregation
Opsonization; Phagocytosis; Turbidimetry (Kuypers, T.W. (124) 85)

Airfuge
Intrinsic association constant; Monoclonal IgM antibody (Kim, Y.D. (120) 9)

Aliphatic crosslinker
Aromatic crosslinker; Immunotoxin; Bone marrow transplantation (Myers, D.E. (121) 129)

Alkaline phosphatase
Antibody affinity; Enzyme immunoinhibition; Monoclonal antibody; Graphical determination; Enzyme characterization (Ehle, H. (117) 17)

Insulin; Monoclonal antibody; Enzyme immunoassay; Phenolphthaleine monophosphate (Storch, M.-J. (119) 53)

Allergen
Candida albicans; Crossed enzyme immunoelectrophoresis; Crossed radioimmunoelectrophoresis (Savolainen, J. (117) 285)

Dermatophagoides spp.; Immunoassay; Monoclonal antibody (Luczynska, C.M. (118) 227)

Immunotherapy; Liposome; House dust mite; Immunoblotting (McWilliam, A.S. (121) 53)

Allergen-specific IgE
Epitope mapping; Avidin-biotin system (Walsh, B.J. (121) 275)

Allophycocyanin
Phycobiliprotein; Flow cytometry; Immunofluorescence; Receptor (Jung, T.M. (121) 9)

Allospecificity
Helper T lymphocyte; Interleukin-2; Limiting dilution (Theobald, M. (121) 19)

Allotypic activity
Monoclonal mouse IgE; IgE, rabbit anti-mouse; Idiotypic activity; IgE light chain; Western blotting (Savelkoul, H.F.J. (116) 265)

Amplification
ELISA; Immunoassay; Horseradish peroxidase (Bobrow, M.N. (125) 279)

Amyloidosis
Serum amyloid A (SAA, apoSAA); ELISA; Acute-phase protein (Sipe, J.D. (125) 125)

Anchored cell analysis station 470
Macrophage; Cell surface antigen; Ia antigen; Mac-1 antigen (Hogan, M.M. (123) 9)

Anti-A antibody, human
ELISA; ABO, human blood groups; Anti-B antibody, human; Isoagglutinin (Buchs, J.-P. (118) 37)

Anti-adenosine
Monoclonal antibody; Anti-guanosine; Single-stranded DNA; ELISA (Traincard, F. (123) 83)

Anti-B antibody, human
ELISA; ABO, human blood groups; Anti-A antibody, human; Isoagglutinin (Buchs, J.-P. (118) 37)

Antibody
Vanillylmandelic acid; Chemistry; Immunogen; Immunoassay (Mellor, G.W. (118) 101)

Antibody affinity
Enzyme immunoinhibition; Monoclonal antibody; Graphical determination; Alkaline phosphatase; Enzyme characterization (Ehle, H. (117) 17)

Monoclonal antibody; Epitope specificity; Avidin-biotin system; Solution-phase radioimmunoassay (Krüger, U. (117) 25)

Immunoassay; Optical technique; Antibody concentration; Surface plasmon (Mayo, C.S. (120) 105)

Immunologic adjuvant; Class antibody; Monoclonal antibody; Antibody formation; Antigenic determinant; Competitive binding; Protein denaturation (Kenney, J.S. (121) 157)

Antibody assay
Growth hormone antibody; ELISA (Wilkin, T. (122) 123)

Antibody binding
Binding assay; Radioassay (Miller III, A. (125) 35)

Antibody competition
IgE detection; IgE, murine; ELISA, improved (Hirano, T. (119) 145)

Antibody concentration
Immunoassay; Antibody affinity; Optical technique; Surface plasmon (Mayo, C.S. (120) 105)

Antibody-dependent cell-mediated cytotoxicity
Chemiluminescence; Polymorphonuclear leukocyte; Fc receptor; Target cell fragment (Van Kessel, K.P.M. (118) 279)

Antibody derivatization
Reverse plaque; Antigen detection; Protein-coated sheep red blood cell (Schlueter, A.J. (124) 35)

Antibody formation
Immunologic adjuvant; Class antibody; Monoclonal antibody; Antibody affinity; Antigenic determinant; Competitive binding; Protein denaturation (Kenney, J.S. (121) 157)

Antibody, human
ELISA; Beaded lid; Bacterial antigen (Levine, M. (119) 211)

Antibody immobilization
Native antibody; Denatured antibody; Adsorption behavior; Silica substrate (Lin, J.N. (125) 67)

Antibody inhibition
Antibody production in vitro; Isotype switch; IgG1 production (McHeyzer-Williams, M.G. (119) 9)

Antibody-mediated protection against thermal denaturation
Carcinoembryonic antigen; Circular immune complex; *Escherichia coli* β-galactosidase (Görög, G. (123) 131)

Antibody probe
Monoclonal antibody; *Mycoplasma pneumoniae*; Cell-contaminating mycoplasma (Douma, R. (124) 197)

Antibody production in vitro
Antibody inhibition; Isotype switch; IgG1 production (McHeyzer-Williams, M.G. (119) 9)

Anti-calmodulin antibody
Calmodulin; Dot-immunobinding assay; Immunoblot assay; Fixative; Synaptosomal membrane (Natsukari, N. (125) 159)

Anti-cardiolipin
Heat-inactivation; Potentiation; ELISA; Inhibitor (Cheng, H.-M. (124) 235)

Anti-CD20
Magnetic cell separation; Peripheral B lymphocyte, human; Monoclonal antibody; Flow cytometry; Mitogen stimulation (Abts, H. (125) 19)

Anticoagulant
Antigenic site; Antigenic structure; Immunoresponse; Hirudin (Mao, S.J.T. (120) 45)

Anti-collagen antibody
ELISA; Serum, human; Serum, normal rabbit; Rheumatoid arthritis (Fujii, K. (124) 63)

Anti-DNA antibody
dsDNA-binding; Avidin-biotin microELISA; Gel retardation assay (Vaishnav, Y.N. (118) 25)

Anti-fluorescein isothiocyanate
Immunohistochemistry; Double staining; Triple staining; Monoclonal antibody, commercial (Van der Loos, C.M. (117) 45)

Anti-GBM antibody
Enzyme amplification; ELISA; Goodpasture antigen (Saxena, R. (118) 73)

Antigen capture immunoassay
Cytomegalovirus; Monoclonal antibody (Van der Voort, L.H.M. (121) 95)

Antigen concentration
Poly(acrylamide); Hydrophilic solid support; Solid-phase immunoassay; Ultrasound (Tarcha, P.J. (125) 243)

Antigen detection
Latex agglutination; Chorionic gonadotrophin; Pregnancy (Lim, P.-L. (117) 137)

Reverse plaque; Antibody derivatization; Protein-coated sheep red blood cell (Schlueter, A.J. (124) 35)

Antigenic determinant
Immunologic adjuvant; Class antibody; Monoclonal antibody; Antibody affinity; Antibody formation; Competitive binding; Protein denaturation (Kenney, J.S. (121) 157)

Antigenic site
Antigenic structure; Immunoresponse; Hirudin; Anticoagulant (Mao, S.J.T. (120) 45)

Antigenic structure
Antigenic site; Immunoresponse; Hirudin; Anticoagulant (Mao, S.J.T. (120) 45)

Antigen identification
Chromatography, high performance liquid (Wu, Z.W. (124) 165)

Antigen loss
Immunoblotting; *Giardia lamblia* antigen (DenHollander, N. (122) 129)

Antigen-specific B cell
Fluorescence-activated cell sorting; ELISA, spot; Immune complex; Fc receptor; Immunization (Hoven, M.Y. (117) 275)

Immunomagnetic isolation; Monoclonal antibody; Thyroglobulin; B lymphocyte; Hybridoma (Ossendorp, F.A. (120) 191)

Antigen specificity
Suppressor cell; Mycobacterial antigen; (Guinea pig) (Hasløv, K. (120) 85)

Anti-G3M T
Monoclonal antibody; GM allotyping (Kimura, A. (116) 99)

Anti-guanosine
Monoclonal antibody; Anti-adenosine; Single-stranded DNA; ELISA (Traincard, F. (123) 83)

Anti-idiotypic antibody
Anti-tumor antibody; ELISA; Radioimmunoassay; Mixed hemadsorption assay; (Cancer patient) (Wettendorff, M. (116) 105)

Monoclonal antibody assay, human; Immunoradiometric assay (Khazaeli, M.B. (117) 175)

Monoclonal antibody; Double-diffusion; Silver staining (Rochu, D. (118) 67)

Anti-IgE
Basophil purification, human; Percoll; Panning (Lett-Brown, M.A. (117) 163)

IgE; Immunoadsorption; Immobilization (Sato, H. (118) 161)

Anti-immunoglobulin antibody
Immune complex; C3 neoepitope; Monoclonal antibody; Complement; Enzyme immunoassay (Garred, P. (117) 59)

Anti-inflammatory agent
Neutrophil; Leukotriene B_4; LTB_4; Chemotaxis; Multiwell cap chemotaxis assay (Psychoyos, S. (124) 189)

Anti-papain IgG
Papain digestion; Monoclonal antibody, murine; $F(ab')_2$ (Boguslawski, S.J. (120) 51)

Anti-peptide antibody
Affinity purification; Coupling method; Cross-reactivity; ELISA (Edwards, R.J. (117) 215)

Solid-phase immunoassay; Covalent immobilization; Phenylalanine-lysine copolymer (Hobbs, R.N. (117) 257)

Peptide antigen; Peptidyl-resin (Fischer, P.M. (118) 119)

Conjugation method; Cross-linking reagent; Linker-specific antibody; Peptide-protein conjugate (Peeters, J.M. (120) 133)

Synthetic peptide; Immunoadsorbent (Chersi, A. (122) 285)

Anti-RBC IgG antibody
Monocyte; IgG(Fc) receptor; Lectin-binding capacity of IgG; Peanut agglutinin; Concanavalin A (Malaise, M.G. (119) 231)

Anti-recombinant human granulocyte colony stimulating factor antibody
Granulocyte colony stimulating factor, human; Enzyme immunoassay (Motojima, H. (118) 187)

Antiserum
Interleukin-4, human; Monoclonal antibody; Immunoassay (Chrétien, I. (117) 67)

Antiserum, commercial
IgE, mouse; Terasaki-ELISA; ELISA, inhibition; Western blotting (Savelkoul, H.F.J. (116) 277)

Anti-streptolysin-O
Inhibition of hemolysis; ELISA; β Hemolytic streptococcal infection (Moscoso del Prado, J. (124) 219)

Anti-tumor antibody
Anti-idiotypic antibody; ELISA; Radioimmunoassay; Mixed hemadsorption assay; (Cancer patient) (Wettendorff, M. (116) 105)

Apolipoprotein A-I
Epitope; Monoclonal antibody; Apolipoprotein A-I determination; ELISA, non-competitive (Dubois, D.Y. (125) 215)

Apolipoprotein A-I determination
Apolipoprotein A-I; Epitope; Monoclonal antibody; ELISA, non-competitive (Dubois, D.Y. (125) 215)

Arachidonic acid metabolite
Interleukin-2; Prostaglandin (Eskandari, M.K. (118) 85)

Aromatic crosslinker
Aliphatic crosslinker; Immunotoxin; Bone marrow transplantation (Myers, D.E. (121) 129)

Ascites production
Hybridoma, rat-rat; Monoclonal antibody production; Pristane; Incomplete Freund's adjuvant (Kints, J.-P. (119) 241)

Ascitic fluid
Monoclonal antibody; (BALB/c × Swiss-Webster)F1; (BALB/c×MF1)F1; (Mouse) (Stewart, F. (119) 269)

Aspergilloma
Aspergillus fumigatus; Immunoblot fingerprinting (Burnie, J.P. (118) 179)

Aspergillus fumigatus
Aspergilloma; Immunoblot fingerprinting (Burnie, J.P. (118) 179)

Assay specificity
Two-site immunoassay; Monoclonal antibody; Chorionic gonadotrophin (Boscato, L.M. (117) 221)

Atrial natriuretic factor
Monoclonal antibody; Radioimmunoassay (Prowse, C. (118) 91)

α-Atrial natriuretic polypeptide, human
α-Atrial natriuretic polypeptide, rat; Monoclonal antibody; Enzyme immunoassay, sandwich (Watanabe, H. (124) 25)

α-Atrial natriuretic polypeptide, rat
α-Atrial natriuretic polypeptide, human; Monoclonal antibody; Enzyme immunoassay, sandwich (Watanabe, H. (124) 25)

Autoantibody
Nuclear antigen; Countercurrent immunoelectrophoresis (Collins, R.J. (116) 53)

Poly(ADP-ribose); Nuclear antigen; Dot-blot; Immunobinding (Prasad, S. (116) 79)

Radioimmunoassay; C1q; DNA, immobilized (Lacy, M.J. (116) 87)

Enzyme; ELISA; Immune complex (O'Hara, B.P. (116) 175)

Autoimmunization
Insulin; Immunogenicity; In vitro priming; HLA; Heteroclitic response (Parkar, B.A. (120) 159)

Automation
Borrelia; Immunoenzyme technique; Enzyme immunoassay; (Antibody) (Viljanen, M.K. (124) 137)

Avidin-biotin
ELISA; Immunoassay; Immunohistology; Monoclonal antibody (Cassano, W.F. (117) 169)

Human growth hormone; Urine; ELISA (Bullen, H. (121) 247)

SPan-1; Comparison of immunoassays; Pancreatic cancer antigen (Ho, J.J.L. (125) 97)

Avidin-biotin ELISA
Brucellosis; Incomplete IgG; Protein A (Jagannath, C. (124) 251)

Avidin-biotin microELISA
Anti-DNA antibody; dsDNA-binding; Gel retardation assay (Vaishnav, Y.N. (118) 25)

Avidin-biotin system
Monoclonal antibody; Epitope specificity; Antibody affinity; Solution-phase radioimmunoassay (Krüger, U. (117) 25)

Allergen-specific IgE; Epitope mapping (Walsh, B.J. (121) 275)

Interleukin-2; Interleukin-2 receptor complex; Flow cytometry; ELISA (Taki, S. (122) 33)

***Bacillus cereus* enterotoxin**
Fluorescent immunodot assay (Jackson, S.G. (120) 215)

B

Bacterial antigen
ELISA; Beaded lid; Antibody, human (Levine, M. (119) 211)

(BALB/c × MF1)F1
Monoclonal antibody; Ascitic fluid; (BALB/c × Swiss-Webster)F1; (Mouse) (Stewart, F. (119) 269)

(BALB/c × Swiss-Webster)F1
Monoclonal antibody; Ascitic fluid; (BALB/c × MF1)F1; (Mouse) (Stewart, F. (119) 269)

Basement membrane
Fluorescence; Image processing; Immunohistochemistry; (Kidney) (Basgen, J.M. (124) 77)

Basophil
IgE; Flow cytometry; Immunofluorescence; Viability (Bochner, B.S. (125) 265)

Basophil-like cell
Rosetting; IgE receptor (Kirshenbaum, A.S. (123) 55)

Basophil purification, human
Percoll; Panning; Anti-IgE (Lett-Brown, M.A. (117) 163)

B cell
Negative selection; Monoclonal antibody; Paramagnetic particle (Hebell, T. (123) 283)

B cell chemiluminescence
Two-dimensional photon counting; Chemiluminescence multiwell analyzer; IgE luminescence immunoassay (Maly, F.-E. (122) 91)

B cell progenitor
Pre-B cell; Hemopoietic colony; Stromal cell; Soluble mediator (Dorshkind, K. (123) 93)

Beaded lid
ELISA; Antibody, human; Bacterial antigen (Levine, M. (119) 211)

Bee venom allergy
Quantification; ELISA; Phospholipase A_2 (Rieben, R. (119) 1)

Binding assay
Interleukin-1 receptor; Receptor screening (Horuk, R. (119) 255)

Radioassay; Antibody binding (Miller III, A. (125) 35)

Bioassay
Tumor necrosis factor; Lymphotoxin; Immunoassay (Meager, A. (116) 1)

Lymphokine; Monokine; Unitage; Calculation; Data analysis (Hewlett, G. (117) 243)

Interleukin-1; Interleukin-2; Interleukin-4 (Hopkins, S.J. (120) 271)

Bioengineered vaccine
Pseudorabies; Glycoprotein X; ELISA; Phenotypic reversion (Eaton, L.C. (118) 125)

Biological fluid
C3d estimation; ELISA; Renal dysfunction; Continued ambulant peritoneal dialysis (Asghar, S.S. (120) 207)

Biotin
Polymer; Streptavidin; Heteroconjugate; Heteroligating; Immunogen (Nardelli, B. (120) 233)

Cell fusion; Hybridoma; Electroporation; Streptavidin (Hewish, D.R. (120) 285)

Monoclonal anti-FITC; ELISA; Streptavidin (Harmer, I.J. (122) 115)

Biotinylated DNA probe
Hybridization, in situ; Papillomavirus typing, human; Carcinoma cell line, human (Guérin-Reverchon, I. (123) 167)

Biotinylation
Complement C8; Immunoassay (Bhakdi, S. (121) 61)

Epitope analysis; Peptide inhibitor; Melittin (Von Grünigen, R. (125) 143)

Blocking agent
Double immunoenzyme labeling; Monoclonal antibody; (Fetal calf serum); (Mouse) (Lalor, P.A. (122) 149)

Blood stain
ELISA; ELISA, double antibody; HLA system (Bishara, A. (120) 99)

B lymphocyte
Immunomagnetic isolation; Monoclonal antibody; Thyroglobulin; Antigen-specific B cell; Hybridoma (Ossendorp, F.A. (120) 191)

Liposome; Liposome-cellular complex; (Antibody) (Golubev, A. (125) 29)

Bone marrow stem cell assay
Granulocyte-macrophage colony-stimulating factor; Interleukin-3; Chromatography, hydrophobic interaction (Pullman, W.E. (117) 153)

Bone marrow transplantation
Immunoadsorption; Monoclonal antibody; Cleavable crosslinker; Cell separation procedure (Thomas, T.E. (120) 221)

Aromatic crosslinker; Aliphatic crosslinker; Immunotoxin (Myers, D.E. (121) 129)

Borrelia
Immunoenzyme technique; Enzyme immunoassay; Automation; (Antibody) (Viljanen, M.K. (124) 137)

Bovine milk
Hybridoma; Long-term storage; Milk derivative (Derouiche, F. (125) 13)

Boyden chamber design
Polymorphonuclear leukocyte; Chemotaxis (Bignold, L.P. (118) 217)

Bromelain
Monoclonal antibody; Papain; Radioimmunodetection (Milenic, D.E. (120) 71)

Bromodeoxyuridine
Immunofluorescence; Cell surface marker; Epidermal cell (Staquet, M.-J. (116) 287)

Brucella
IgM antibody; Latex agglutination (Cambiaso, C.L. (122) 169)

Brucella abortus
ELISA; Filter paper disc (McLean, G. (123) 39)

Brucellosis
Dip stick assay; Polycarbonate; Calf immunity; ELISA (Penney, C.L. (123) 185)

Avidin-biotin ELISA; Incomplete IgG; Protein A (Jagannath, C. (124) 251)

C

C2 activation
C2 polymorphism; Isoelectric focusing; Silver staining; Lupus erythematosus (Segurado, O.G. (117) 9)

C3
Complement component; C1q; C4; C5; IgG; Chicken antibody; ELISA (Larsson, A. (119) 103)

C5; Complement (Van den Berg, C.W. (122) 73)

Complement; C3b; C3(H_2O); Chromatography, fast protein liquid (Sánchez-Corral, P. (122) 105)

C4
Complement component; C1q; C3; C5; IgG; Chicken antibody; ELISA (Larsson, A. (119) 103)

Complement; Isotype; ELISA (Chrispeels, J. (125) 5)

C5
Complement component; C1q; C3; C4; IgG; Chicken antibody; ELISA (Larsson, A. (119) 103)

C3; Complement (Van den Berg, C.W. (122) 73)

C9
Complement; C9 deficiency; ELISA, two-site sandwich immunoassay (Takata, Y. (117) 107)

C3a-desArg, human
Monoclonal antibody; Neoantigen; ELISA; Adult respiratory distress syndrome (Zilow, G. (121) 261)

Calcium
Flow cytometry; Lymphocyte; Indo-1 (Griffioen, A.W. (120) 23)

Calculation
Lymphokine; Monokine; Bioassay; Unitage; Data analysis (Hewlett, G. (117) 243)

Calf immunity
Dip stick assay; Polycarbonate; Brucellosis; ELISA (Penney, C.L. (123) 185)

Calmodulin
Anti-calmodulin antibody; Dot-immunobinding assay; Immunoblot assay; Fixative; Synaptosomal membrane (Natsukari, N. (125) 159)

Candida albicans
Microsphere; Flow cytometry; Immunofluorescence assay; Enzyme immunoassay (McHugh, T.M. (116) 213)

Allergen; Crossed enzyme immunoelectrophoresis; Crossed radioimmunoelectrophoresis (Savolainen, J. (117) 285)

Carcinoembryonic antigen
Particle counting immunoassay; Latex immunoassay; Latex agglutination; Non-isotopic immunoassay (Mathieu, F. (120) 65)

Complement; Immunoassay; Solid-phase antibody (Börmer, O.P. (121) 85)

Antibody-mediated protection against thermal denaturation; Circular immune complex; *Escherichia coli* β-galactosidase (Görög, G. (123) 131)

Carcinoma cell line, human
Hybridization, in situ; Papillomavirus typing, human; Biotinylated DNA probe (Guérin-Reverchon, I. (123) 167)

ι-Carrageenan, desulfated
Macrophage; (Mice) (Ishizaka, S. (124) 17)

Carrier protein
Malarial peptide; Peptide conjugate; Hetero-bifunctional reagent; Coupling chemistry (Jones, G.L. (123) 211)

Cartilage degradation
Interleukin-1, sheep; Thymocyte activation (Harkiss, G.D. (117) 231)

Cationic antimicrobial protein
Polymorphonuclear leukocyte; ELISA; Non-specific binding (Pereira, H.A. (117) 115)

C3b
Monoclonal antibody; C3b(i)-Sepharose (Tosic, L. (120) 241)

Complement; C3; C3(H_2O); Chromatography, fast protein liquid (Sánchez-Corral, P. (122) 105)

C3b(i)-Sepharose
Monoclonal antibody; C3b (Tosic, L. (120) 241)

CD7
ELISA; Leukemia; T cell differentiation antigen (Jung, L.K.L. (116) 137)

CD16
Eosinophil; Eosinophil isolation, human; Immunoselection; Fcγ receptor (Hansel, T.T. (122) 97)

C9 deficiency
Complement; C9; ELISA, two-site sandwich immunoassay (Takata, Y. (117) 107)

C3d estimation
ELISA; Renal dysfunction; Continued ambulant peritoneal dialysis; Biological fluid (Asghar, S.S. (120) 207)

aCD3-induced proliferation
Whole-blood lymphocyte culture; Reference value (Bloemena, E. (122) 161)

Celiac disease
Flow cytometry; α-Gliadin (Presani, G. (119) 197)

Gluten; Gliadin; Prolamin; Frazer's Fraction III; Monoclonal antibody (Ellis, H.J. (120) 17)

Cell adherence test
Fc receptor expression; Screening of cells or antibodies (Lemke, H. (121) 175)

Cell blot
Interleukin-1; ELISA (Gaffney, E.V. (122) 211)

Cell-cell interaction
Palmitate-derivatized antibody; Surrogate receptor (Colsky, A.S. (124) 179)

Cell-contaminating mycoplasma
Monoclonal antibody; *Mycoplasma pneumoniae*; Antibody probe (Douma, R. (124) 197)

Cell culture
Monoclonal antibody; Hybridoma (Nakamura, Y. (118) 31)

Cell cycle analysis
Dual staining; Phenotypic marker; Saponin; Flow cytometry (Rigg, K.M. (123) 177)

Cell fusion
Hybridoma; Electroporation; Biotin; Streptavidin (Hewish, D.R. (120) 285)

Sp2/0 ascites; Hybridoma; Monoclonal antibody (Stewart, S.S. (123) 45)

Cell growth
Tetrazolium salt; Formazan; Cell kill (Hansen, M.B. (119) 203)

Cell kill
Tetrazolium salt; Formazan; Cell growth (Hansen, M.B. (119) 203)

Cell-mediated cytotoxicity
Flow cytometry; PKH-1; Fluorescent assay (Slezak, S.E. (117) 205)

Cell separation
Hydrodynamic force; Adhesion chromatography; Field-flow fractionation (Bigelow, J.C. (117) 289)

T cell receptor-γδ; Immunomagnetic separation (Bosnes, V. (118) 251)

Microsphere; Magnetic particle (Janssen, W.E. (121) 289)

Cell separation procedure
Immunoadsorption; Monoclonal antibody; Cleavable cross-linker; Bone marrow transplantation (Thomas, T.E. (120) 221)

Cell sorting
Flow cytometry; Lipophilic fluorescent probe; Hybrid cell (Tertov, V.V. (118) 139)

Hybridoma technology; Monoclonal antibody; Magnetic microsphere (Horton, J.K. (124) 225)

Cell surface antigen
Enzyme immunoassay; Monoclonal antibody (Tumosa, N. (116) 59)

Hemagglutination; Screening of monoclonal antibodies (Kokkinopoulos, D. (119) 59)

Macrophage; Ia antigen; Mac-1 antigen; Anchored cell analysis station 470 (Hogan, M.M. (123) 9)

Affinity constant; Monoclonal antibody; ELISA; Flow cytometry (Bator, J.M. (125) 167)

Cell surface marker
Immunofluorescence; Bromodeoxyuridine; Epidermal cell (Staquet, M.-J. (116) 287)

Cell surface phenotype
Staining, double; Lymphocyte, activated; Tetrazolium dye (Schauer, U. (116) 221)

Cell-virus binding assay
Leukemia virus, murine; T cell lymphoma; Virus receptor; Retrovirus (O'Neill, H.C. (122) 79)

Characterization
Natural killer cell; Conjugate frequency; Effector-target cell conjugation (Garcia-Peñarrubia, P. (118) 199)

Chelator
Monoclonal antibody; Chelator-linked antibody; Metallic radioisotope (Gillette, R.W. (124) 277)

Chelator-linked antibody
Monoclonal antibody; Chelator; Metallic radioisotope (Gillette, R.W. (124) 277)

Chemiluminescence
Polymorphonuclear leukocyte; Fc receptor; Target cell fragment; Antibody-dependent cell-mediated cytotoxicity (Van Kessel, K.P.M. (118) 279)

Chemiluminescence multiwell analyzer
Two-dimensional photon counting; B cell chemiluminescence; IgE luminescence immunoassay (Maly, F.-E. (122) 91)

Chemistry
Vanillylmandelic acid; Antibody; Immunogen; Immunoassay (Mellor, G.W. (118) 101)

Chemotaxis
Polymorphonuclear leukocyte; Boyden chamber design (Bignold, L.P. (118) 217)

Polymorphonuclear leukocyte; ^{51}Cr assay (Capsoni, F. (120) 125)

Monocyte isolation; Phagocytosis (Islam, L.N. (121) 75)

Leukocyte; Mathematical model; Migration assay (Buettner, H.M. (123) 25)

Neutrophil; Leukotriene B_4; LTB_4; Anti-inflammatory agent; Multiwell cap chemotaxis assay (Psychoyos, S. (124) 189)

Chemotaxis assay
Adherence assay; Densitometer; Quantification (Klomp, J.P.G. (118) 47)

Chicken antibody
Complement component; C1q; C3; C4; C5; IgG; ELISA (Larsson, A. (119) 103)

Chimeric antibody
cDNA expression; Synthetic intron (Gillies, S.D. (125) 191)

Chlamydia
Lipopolysaccharide; Oxidation; Enzyme immunoassay (Ossewaarde, J.M. (123) 293)

C3(H_2O)
Complement; C3; C3b; Chromatography, fast protein liquid (Sánchez-Corral, P. (122) 105)

Cholera toxin
ELISA; Intestinal mucin; Colonic cell line (Roumagnac, I. (122) 265)

Chorionic gonadotrophin
Latex agglutination; Pregnancy; Antigen detection (Lim, P.-L. (117) 137)

Two-site immunoassay; Monoclonal antibody; Assay specificity (Boscato, L.M. (117) 221)

Chromatography
Immunoaffinity; ELISA; IgG isolation; Uteroglobin (Dannhorn, D.R. (119) 223)

Chromatography, affinity
Monoclonal antibody, radiolabeled; Immunoreactivity (Rosebrough, S.F. (116) 123)

Protein A; Enzyme immunoassay; Monoclonal antibody (Bloom, J.W. (117) 83)

Streptococcus dysgalactiae; IgG(Fc) receptor (Lämmler, C. (124) 131)

Ligand leakage; Immunoglobulin capacity; Protein A (Füglistaller, P. (124) 171)

Chromatography, anion exchange
Monoclonal antibody; In vitro production; Large-scale purification; Chromatography, protein A affinity; Fetal bovine serum. (Jiskoot, W. (124) 143)

Chromatography chromatofocusing, high pressure liquid
Immunoglobulin; IgA; IgM; IgG; ELISA; (Antibody) (Waldrep, J.C. (118) 273)

Chromatography, fast protein liquid
Ro/SS-A antigen; Western blotting (Wu, D.-H. (121) 219)

Complement; C3; C3b; C3(H_2O) (Sánchez-Corral, P. (122) 105)

Chromatography, high performance liquid
Antigen identification (Wu, Z.W. (124) 165)

Chromatography, hydrophobic interaction
Granulocyte-macrophage colony-stimulating factor; Interleukin-3; Bone marrow stem cell assay (Pullman, W.E. (117) 153)

Chromatography, protein A affinity
Monoclonal antibody; In vitro production; Large-scale purification; Chromatography, anion exchange; Fetal bovine serum. (Jiskoot, W. (124) 143)

^{51}Chromium
Neutrophil adherence; Glass bead (Kinoshita, Y. (124) 29)

C1 inhibitor
Complement; Purification; Jacalin-agarose (Pilatte, Y. (120) 37)

Circular immune complex
Antibody-mediated protection against thermal denaturation; Carcinoembryonic antigen; *Escherichia coli* β-galactosidase (Görög, G. (123) 131)

Circumsporozoite protein
Multiple antigen peptide; Solid-phase immunoassay; Synthetic peptide antigen; Radioimmunoassay; ELISA; Malaria (Tam, J.P. (124) 53)

Class antibody
Immunologic adjuvant; Monoclonal antibody; Antibody affinity; Antibody formation; Antigenic determinant; Competitive binding; Protein denaturation (Kenney, J.S. (121) 157)

Cleavable cross-linker
Immunoadsorption; Monoclonal antibody; Cell separation procedure; Bone marrow transplantation (Thomas, T.E. (120) 221)

C3 neoepitope
Immune complex; Monoclonal antibody; Anti-immunoglobulin antibody; Complement; Enzyme immunoassay (Garred, P. (117) 59)

COLO 205 cell
bio-ELISA; Cytokine; HLA-DR antigen; Interferon-γ; Major histocompatibility complex class II antigen (Gibson, U.E.M. (125) 105)

Colonic cell line
ELISA; Intestinal mucin; Cholera toxin (Roumagnac, I. (122) 265)

Colony-stimulating factor 1
Macrophage; Culture (Sechler, J.M.G. (119) 277)

In vitro colony assay; Sandwich-ELISA; Monoclonal antibody, rat (Lokeshwar, B.L. (123) 123)

Colorectal carcinoma
Monoclonal antibody, human; Neoplasm antigen; Surface antigen; Neoplasm; Immunoenzyme technique (Tuson, J.R.D. (121) 47)

Comparison of immunoassays
SPan-1; Avidin-biotin; Pancreatic cancer antigen (Ho, J.J.L. (125) 97)

Competition assay
ELISA, anti-HIV-1; HIV; Monoclonal antibody, human (Döpel, S.-H. (116) 229)

Competitive binding
Immunologic adjuvant; Class antibody; Monoclonal antibody; Antibody affinity; Antibody formation; Antigenic determinant; Protein denaturation (Kenney, J.S. (121) 157)

Complement
Immune complex; C3 neoepitope; Monoclonal antibody; Anti-immunoglobulin antibody; Enzyme immunoassay (Garred, P. (117) 59)

C9; C9 deficiency; ELISA, two-site sandwich immunoassay (Takata, Y. (117) 107)

C1 inhibitor; Purification; Jacalin-agarose (Pilatte, Y. (120) 37)

Carcinoembryonic antigen; Immunoassay; Solid-phase antibody (Börmer, O.P. (121) 85)

C3; C5 (Van den Berg, C.W. (122) 73)

C3; C3b; C3(H_2O); Chromatography, fast protein liquid (Sánchez-Corral, P. (122) 105)

C4; Isotype; ELISA (Chrispeels, J. (125) 5)

Complement activation
Factor B; Immunoblotting; PAGE (Doran, M. (118) 237)

Complement deficiency; ELISA (Zwirner, J. (124) 121)

Complement activity, human
Large unilamellar liposome; Fluorescence assay (Masaki, T. (123) 19)

Complement C8
Biotinylation; Immunoassay (Bhakdi, S. (121) 61)

Complement component
C1q; C3; C4; C5; IgG; Chicken antibody; ELISA (Larsson, A. (119) 103)

Complement deficiency
Complement activation; ELISA (Zwirner, J. (124) 121)

Complement mouse lysis of tumor cells
(Ong, G.L. (125) 147)

Computer simulation
Flow cytometry; Immunophenotyping; Fluorescence intensity analysis; Curve fitting; Simplex method (Takase, K. (118) 129)

Concanavalin A
Monocyte; IgG(Fc) receptor; Anti-RBC IgG antibody; Lectin-binding capacity of IgG; Peanut agglutinin (Malaise, M.G. (119) 231)

Conjugate
Nanoparticle; Enzyme; Immunoassay; (Antibody) (Nilsson, K.G.I. (122) 273)

Conjugate frequency
Natural killer cell; Characterization; Effector-target cell conjugation (Garcia-Peñarrubia, P. (118) 199)

Effector-target affinity; Natural killer cell (Garcia-Peñarrubia, P. (122) 177)

Conjugation
Immunogenicity; Synthetic antigen; (Antibody) (Marini, S. (120) 57)

Conjugation method
Antipeptide antibody; Cross-linking reagent; Linker-specific antibody; Peptide-protein conjugate (Peeters, J.M. (120) 133)

Contact activation of plasma proteins
High molecular weight kininogen; Immunoblotting; Western blotting; Laser densitometry (Reddigari, S. (119) 19)

Continued ambulant peritoneal dialysis
C3d estimation; ELISA; Renal dysfunction; Biological fluid (Asghar, S.S. (120) 207)

Countercurrent immunoelectrophoresis
Nuclear antigen; Autoantibody (Collins, R.J. (116) 53)

Coupling chemistry
Malarial peptide; Carrier protein; Peptide conjugate; Heterobifunctional reagent (Jones, G.L. (123) 211)

Coupling method
Anti-peptide antibody; Affinity purification; Cross-reactivity; ELISA (Edwards, R.J. (117) 215)

Covalent binding
Panning; T cell subset (Larsson, P.H. (116) 293)

Covalent immobilization
Solid-phase immunoassay; Anti-peptide antibody; Phenylalanine-lysine copolymer (Hobbs, R.N. (117) 257)

C2 polymorphism
C2 activation; Isoelectric focusing; Silver staining; Lupus erythematosus (Segurado, O.G. (117) 9)

C1q
Autoantibody; Radioimmunoassay; DNA, immobilized (Lacy, M.J. (116) 87)

Complement component; C3; C4; C5; IgG; Chicken antibody; ELISA (Larsson, A. (119) 103)

^{51}Cr assay
Polymorphonuclear leukocyte; Chemotaxis (Capsoni, F. (120) 125)

C-reactive protein
Latex immunoassay; Latex agglutination; Non-isotopic immunoassay (Collet-Cassart, D. (125) 137)

Creatine kinase
Monoclonal antibody; Epitope mapping; Native conformation (Man, N.t. (125) 251)

Crossed enzyme immunoelectrophoresis
Allergen; *Candida albicans*; Crossed radioimmunoelectrophoresis (Savolainen, J. (117) 285)

Crossed radioimmunoelectrophoresis
Allergen; *Candida albicans*; Crossed enzyme immunoelectrophoresis (Savolainen, J. (117) 285)

Cross-linking reagent
Antipeptide antibody; Conjugation method; Linker-specific antibody; Peptide-protein conjugate (Peeters, J.M. (120) 133)

Cross-reactivity
Anti-peptide antibody; Affinity purification; Coupling method; ELISA (Edwards, R.J. (117) 215)

Cryopreservation
LAK cell (Schmidt-Wolf, I.G.H. (125) 185)

Cryostat section
Lymphocyte migration; Fluorescein isothiocyanate; Immunohistochemistry; Double staining; Spleen (Willführ, K.U. (120) 29)

Culture
Macrophage; Colony-stimulating factor 1 (Sechler, J.M.G. (119) 277)

Curve fitting
Flow cytometry; Immunophenotyping; Fluorescence intensity analysis; Computer simulation; Simplex method (Takase, K. (118) 129)

Cyclopropanone hydrate
Intermediate filament protein; Endogenous peroxidase activity; Immunocytochemistry; Sodium azide; Propyl-thiouracil (Hittmair, A. (116) 199)

Cyclosporine
Cyclosporine antibody; Cyclosporine level; Photochemical cross-linking; Transplantation; Rejection; Cyclosporine monitoring (Cacalano, N.A. (118) 257)

Cyclosporine antibody
Cyclosporine; Cyclosporine level; Photochemical cross-linking; Transplantation; Rejection; Cyclosporine monitoring (Cacalano, N.A. (118) 257)

Cyclosporine level
Cyclosporine; Cyclosporine antibody; Photochemical cross-linking; Transplantation; Rejection; Cyclosporine monitoring (Cacalano, N.A. (118) 257)

Cyclosporine monitoring
Cyclosporine; Cyclosporine antibody; Cyclosporine level; Photochemical cross-linking; Transplantation; Rejection (Cacalano, N.A. (118) 257)

Cystic fibrosis
Pseudomonas aeruginosa; Immune complex; Flagella; Lipopolysaccharide; Immunoblotting (Kronborg, G. (122) 51)

Cytokine
Lymphokine; T cell; Monoclonal antibody (Mosmann, T.R. (116) 151)

ELISPOT; Interferon-γ; Tumor necrosis factor (Hutchings, P.R. (120) 1)

Interleukin-1; Enzyme immunoassay; Monoclonal antibody; Acetylcholinesterase; Inflammation (Grassi, J. (123) 193)

bio-ELISA; COLO 205 cell; HLA-DR antigen; Interferon-γ; Major histocompatibility complex class II antigen (Gibson, U.E.M. (125) 105)

Cytokine-producing cell
Tumor necrosis factor α; Tumor necrosis factor β; Immunofluorescence; Detection method (Andersson, U. (123) 233)

Cytolytic T lymphocyte
Granule; Subcellular fractionation; Serine esterase; Perforin; Pore-forming protein; Hemolysis (Persechini, P.M. (124) 7)

Cytomegalovirus
Antigen capture immunoassay; Monoclonal antibody (Van der Voort, L.H.M. (121) 95)

Digoxigenin-labeled probe; In situ DNA hybridization; Immunocytochemical assay (Gentilomi, G. (125) 177)

Cytotoxicity assay
Lymphokine-activated killer cell activity; Time-resolved fluorescence (Volgmann, T. (119) 45)

Natural killer cell; Fluorochrome-labeled target (Wierda, W.G. (122) 15)

Cytotoxic lymphocyte activity
Kinetic assay (Jenski, L.J. (117) 181)

Cytotoxic T lymphocyte
Microcytotoxicity assay; [^{35}S]methionine (Stedman, K.E. (119) 291)

Cytotoxic T lymphocyte clones
Population dynamics (Jenski, L.J. (117) 191)

Cytotoxic T lymphocyte precursor frequency
Limiting dilution analysis; Individual HLA class I antigen; (Human) (Zhang, L. (121) 39)

Cytotrophoblast
Placenta; Magnetic microsphere (Douglas, G.C. (119) 259)

D

Data analysis
Lymphokine; Monokine; Bioassay; Unitage; Calculation (Hewlett, G. (117) 243)

Deamidated human recombinant interleukin-1α
Interleukin-1α, human recombinant; Enzyme immunoassay; Monoclonal antibody (Sunahara, N. (119) 75)

Denatured antibody
Antibody immobilization; Native antibody; Adsorption behavior; Silica substrate (Lin, J.N. (125) 67)

Densitometer
Chemotaxis assay; Adherence assay; Quantification (Klomp, J.P.G. (118) 47)

Density gradient
Veiled cell; Afferent lymph (Galkowska, H. (116) 207)

***Dermatophagoides* spp.**
Allergen; Immunoassay; Monoclonal antibody (Luczynska, C.M. (118) 227)

Designation
Nomenclature; Monoclonal antibody; Polyclonal antibody (Baumgarten, H. (122) 1)

Detection method
Tumor necrosis factor α; Tumor necrosis factor β; Immunofluorescence; Cytokine-producing cell (Andersson, U. (123) 233)

Dexamethasone
Immunoslot blot; Quantitative immunoassay; Membrane protein; EGF receptor (Von Knebel Doeberitz, M. (122) 259)

Diabetes
Monoclonal antibody; Glycoalbumin (Cohen, M.P. (117) 121)

Glycated albumin; Monoclonal antibody; ELISA (Cohen, M.P. (122) 279)

Diazotized polystyrene
Immunocarrier; Latex; Rapid diagnosis; Leptospirosis (Liu, Y.-c. (124) 159)

Dichloromethylene diphosphonate
Liposome; Macrophage elimination 'in vivo'; Macrophage function (Van Rooijen, N. (124) 1)

Differentiation
Percoll; Nycodenz; Monocyte; Macrophage (Davies, D.E. (118) 9)

Differentiation antigen
T lymphocyte; Hybridoma; Interspecies hybrid; (Guinea pig) (Schäfer, H. (118) 169)

Digoxigenin-labeled probe
Cytomegalovirus; In situ DNA hybridization; Immunocytochemical assay (Gentilomi, G. (125) 177)

Dip stick assay
Polycarbonate; Calf immunity; Brucellosis; ELISA (Penney, C.L. (123) 185)

DNA antibody
ELISA (Verrier Jones, J. (118) 79)

dsDNA-binding
Anti-DNA antibody; Avidin-biotin microELISA; Gel retardation assay (Vaishnav, Y.N. (118) 25)

cDNA expression
Chimeric antibody; Synthetic intron (Gillies, S.D. (125) 191)

DNA, immobilized
Autoantibody; Radioimmunoassay; C1q (Lacy, M.J. (116) 87)

DNA methylation
Fluoroimmunoassay; 5-Methyl-2′-deoxycytidine (Rasi, S. (117) 33)

Dot-blot
Poly(ADP-ribose); Nuclear antigen; Autoantibody; Immunobinding (Prasad, S. (116) 79)

Dot-blot enzyme immunoassay
Serum amyloid A protein (Ogata, F. (116) 131)

Dot blotting
Immunoblotting; Slot blotting; Dot immunobinding; Electrophoresis; Western blotting; (Methods); (Review) (Stott, D.I. (119) 153)

Dot immunobinding
Immunoblotting; Dot blotting; Slot blotting; Electrophoresis; Western blotting; (Methods); (Review) (Stott, D.I. (119) 153)

Dot-immunobinding assay
Calmodulin; Anti-calmodulin antibody; Immunoblot assay; Fixative; Synaptosomal membrane (Natsukari, N. (125) 159)

Double-diffusion
Monoclonal antibody; Anti-idiotypic antibody; Silver staining (Rochu, D. (118) 67)

Double immunoenzyme labeling
Blocking agent; Monoclonal antibody; (Fetal calf serum); (Mouse) (Lalor, P.A. (122) 149)

Double staining
Immunohistochemistry; Triple staining; Anti-fluorescein isothiocyanate; Monoclonal antibody, commercial (Van der Loos, C.M. (117) 45)

Lymphocyte migration; Fluorescein isothiocyanate; Immunohistochemistry; Spleen; Cryostat section (Willführ, K.U. (120) 29)

Drug targeting
Hydrogen peroxide; Inflammation; Tissue damage; Immunotoxin (Muzykantov, V.R. (119) 65)

Dual expression system
Malaria antibody; Staphylococcal protein A; Streptococcal protein G; Protein purification (Ståhl, S. (124) 43)

Dual staining
Phenotypic marker; Cell cycle analysis; Saponin; Flow cytometry (Rigg, K.M. (123) 177)

E

Effector-target affinity
Conjugate frequency; Natural killer cell (Garcia-Peñarrubia, P. (122) 177)

Effector-target cell conjugation
Natural killer cell; Characterization; Conjugate frequency (Garcia-Peñarrubia, P. (118) 199)

EGF receptor
Immunoslot blot; Quantitative immunoassay; Membrane protein; Dexamethasone (Von Knebel Doeberitz, M. (122) 259)

Electrofusion
Hybridoma, human (Foung, S.K.H. (116) 117)

Electroinjection
Macrophage; L cell; Transformant (Däumler, R. (122) 203)

Electron microscopy
Liposome; Flow cytometry; Forward laser light scatter (Childers, N.K. (119) 135)

Natural killer cell; Natural cytotoxicity; Light scattering (Vitale, M. (121) 115)

Electrophoresis
Immunoblotting; Dot blotting; Slot blotting; Dot immunobinding; Western blotting; (Methods); (Review) (Stott, D.I. (119) 153)

Immunoelectrophoresis; Immunoprecipitation (Viel, A. (119) 287)

Electroporation
Cell fusion; Hybridoma; Biotin; Streptavidin (Hewish, D.R. (120) 285)

Lysolecithin; Flow cytometry; Oncogene product; $p21^{ras}$; Intracellular antigen; (Antibody) (Berglund, D.L. (125) 79)

ELISA
Horseradish peroxidase; Gamma irradiation; Free radical; Superoxide dismutase (Schuler, G. (116) 27)

Anti-idiotypic antibody; Anti-tumor antibody; Radioimmunoassay; Mixed hemadsorption assay; (Cancer patient) (Wettendorff, M. (116) 105)

CD7; Leukemia; T cell differentiation antigen (Jung, L.K.L. (116) 137)

Enzyme; Autoantibody; Immune complex (O'Hara, B.P. (116) 175)

HLA molecule; Peptide-specific antibody, rabbit, mouse, human (Bouillot, M. (116) 189)

Immobilization; Protein (Jitsukawa, T. (116) 251)

Polymorphonuclear leukocyte; Cationic antimicrobial protein; Non-specific binding (Pereira, H.A. (117) 115)

Immunobinding; Immunoblotting; Tween 20; Non-specific binding (Mohammad, K. (117) 141)

Avidin-biotin; Immunoassay; Immunohistology; Monoclonal antibody (Cassano, W.F. (117) 169)

Anti-peptide antibody; Affinity purification; Coupling method; Cross-reactivity (Edwards, R.J. (117) 215)

Synthetic peptide; HIV-1 (Modrow, S. (118) 1)

ABO, human blood groups; Anti-A antibody, human; Anti-B antibody, human; Isoagglutinin (Buchs, J.-P. (118) 37)

Anti-GBM antibody; Enzyme amplification; Goodpasture antigen (Saxena, R. (118) 73)

DNA antibody (Verrier Jones, J. (118) 79)

Pseudorabies; Glycoprotein X; Bioengineered vaccine; Phenotypic reversion (Eaton, L.C. (118) 125)

Immunoglobulin; IgA; IgM; IgG; Chromatography chromatofocusing, high pressure liquid; (Antibody) (Waldrep, J.C. (118) 273)

Quantification; Phospholipase A_2; Bee venom allergy (Rieben, R. (119) 1)

Monoclonal antibody; Hybridoma screening; Interferon-α (Overall, M.L. (119) 27)

Complement component; C1q; C3; C4; C5; IgG; Chicken antibody (Larsson, A. (119) 103)

Ig isotype, mouse; Quantitation (Klein-Schneegans, A.-S. (119) 117)

Beaded lid; Antibody, human; Bacterial antigen (Levine, M. (119) 211)

Monoclonal antibody; T cell leukemia virus type I, human; Immune complex; T cell leukemia, adult (Ishibashi, K. (119) 217)

Chromatography; Immunoaffinity; IgG isolation; Uteroglobin (Dannhorn, D.R. (119) 223)

Line immunobinding assay (LIBA); Nitrocellulose; Multiple antigen-antibody reactions (Aeppli, R.E. (120) 93)

ELISA, double antibody; HLA system; Blood stain (Bishara, A. (120) 99)

FAST-ELISA; Pneumococcal antibody; Radioimmunoassay (Boctor, F.N. (120) 167)

Human immunodeficiency virus; Immuno-dot blot; Monoclonal antibody, human; Nitrocellulose paper (Xu, J.-Y. (120) 179)

C3d estimation; Renal dysfunction; Continued ambulant peritoneal dialysis; Biological fluid (Asghar, S.S. (120) 207)

IgE; Ultrasensitivity; In vitro B cell culture (Kemeny, D.M. (120) 251)

Endotoxin detection; Lipopolysaccharide; *Escherichia coli* K12 recombinant DNA protein (Peborde, J.P. (120) 259)

Monoclonal antibody; OKT3; Flow cytometry; Transplantation (Lim, V.L. (121) 197)

Human growth hormone; Urine; Avidin-biotin (Bullen, H. (121) 247)

C3a-desArg, human; Monoclonal antibody; Neoantigen; Adult respiratory distress syndrome (Zilow, G. (121) 261)

Thymosin β_9(1–14); Thymosin β_4 (Mihelić, M. (122) 7)

Malaria; Fusion protein; *Plasmodium falciparum* (Früh, K. (122) 25)

Interleukin-2; Interleukin-2 receptor complex; Avidin-biotin system; Flow cytometry (Taki, S. (122) 33)

Monoclonal anti-FITC; Biotin; Streptavidin (Harmer, I.J. (122) 115)

Growth hormone antibody; Antibody assay (Wilkin, T. (122) 123)

Interleukin-1; Cell blot (Gaffney, E.V. (122) 211)

Intestinal mucin; Colonic cell line; Cholera toxin (Roumagnac, I. (122) 265)

Glycated albumin; Monoclonal antibody; Diabetes (Cohen, M.P. (122) 279)

Brucella abortus; Filter paper disc (McLean, G. (123) 39)

Monoclonal antibody; Anti-adenosine; Anti-guanosine; Single-stranded DNA (Traincard, F. (123) 83)

Dip stick assay; Polycarbonate; Calf immunity; Brucellosis (Penney, C.L. (123) 185)

Multiple antigen peptide; Solid-phase immunoassay; Synthetic peptide antigen; Radioimmunoassay; Circumsporozoite protein; Malaria (Tam, J.P. (124) 53)

Anti-collagen antibody; Serum, human; Serum, normal rabbit; Rheumatoid arthritis (Fujii, K. (124) 63)

GP-2; Membrane protein; Secretion granule; Pancreas (Leblond, F.A. (124) 71)

Complement activation; Complement deficiency (Zwirner, J. (124) 121)

Synthetic peptide; Herpes simplex virus type 1; Glycoprotein D (Van der Ploeg, J.R. (124) 211)

Anti-streptolysin-O; Inhibition of hemolysis; β Hemolytic streptococcal infection (Moscoso del Prado, J. (124) 219)

Heat-inactivation; Potentiation; Anti-cardiolipin; Inhibitor (Cheng, H.-M. (124) 235)

Immunoassay; α_1-Acid glycoprotein (Biou, D. (125) 1)

Complement; C4; Isotype (Chrispeels, J. (125) 5)

Interferon-γ; Monoclonal antibody; Serum sample; Malaria (Andersson, G. (125) 89)

Serum amyloid A (SAA, apoSAA); Acute-phase protein; Amyloidosis (Sipe, J.D. (125) 125)

Affinity constant; Monoclonal antibody; Cell surface antigen; Flow cytometry (Bator, J.M. (125) 167)

Quantitation; Ig isotype/allotype, mouse; IgG2a^b (Klein-Schneegans, A.-S. (125) 207)

γ-Globulin, bovine; Gonadotrophin (Jagannadha Rao, A. (125) 261)

Immunoassay; Amplification; Horseradish peroxidase (Bobrow, M.N. (125) 279)

bio-ELISA
Cytokine; COLO 205 cell; HLA-DR antigen; Interferon-γ; Major histocompatibility complex class II antigen (Gibson, U.E.M. (125) 105)

ELISA, anti-HIV-1
HIV; Monoclonal antibody, human; Competition assay (Döpel, S.-H. (116) 229)

ELISA, double antibody
ELISA; HLA system; Blood stain (Bishara, A. (120) 99)

ELISA, fluorescence sandwich
Interleukin-2, soluble and cell-associated human (Kitamura, K. (121) 281)

ELISA, IgE-capture
Fluorometry; ELISA, reverse; IgE, mouse (Sakaguchi, M. (116) 181)

ELISA, improved
IgE detection; IgE, murine; Antibody competition (Hirano, T. (119) 145)

ELISA, indirect
Enterococcus faecalis; λ*gt*11; Serodiagnosis; Enterococcal endocarditis (Burnie, J.P. (123) 217)

ELISA, inhibition
IgE, mouse; Terasaki-ELISA; Antiserum, commercial; Western blotting (Savelkoul, H.F.J. (116) 277)

Hepatitis B surface antigen; Monoclonal anti-idiotype antibody (Kim, W.B. (125) 273)

ELISA, liquid-phase
Serum neutralization test; Foot-and-mouth disease virus; Vaccination; Immunity; Protection (Van Maanen, C. (124) 111)

ELISA, non-competitive
Apolipoprotein A-I; Epitope; Monoclonal antibody; Apolipoprotein A-I determination (Dubois, D.Y. (125) 215)

ELISA-plaque assay
Platelet antibody-secreting cell (Uchiyama, H. (117) 199)

ELISA plate
Monocyte; Polymorphonuclear leukocyte; Platelet; Adhesion; Myeloperoxidase (Bath, P.M.W. (118) 59)

ELISA, reverse
Fluorometry; ELISA, IgE-capture; IgE, mouse (Sakaguchi, M. (116) 181)

ELISA sensitivity
Immune complex; Steric effect (Brown, D.W. (116) 45)

ELISA, spot
Antigen-specific B cell; Fluorescence-activated cell sorting; Immune complex; Fc receptor; Immunization (Hoven, M.Y. (117) 275)

ELISA, two-site sandwich immunoassay
Complement; C9; C9 deficiency (Takata, Y. (117) 107)

ELISPOT
Interferon-γ; Tumor necrosis factor; Cytokine (Hutchings, P.R. (120) 1)

Encephalitogenic
T cell clone, rat; Experimental autoimmune encephalomyelitis; Lymphokine; Interferon-γ (Sedgwick, J.D. (121) 185)

Endogenous peroxidase activity
Intermediate filament protein; Immunocytochemistry; Cyclopropanone hydrate; Sodium azide; Propyl-thiouracil (Hittmair, A. (116) 199)

Endothelin
Sandwich-enzyme immunoassay; Monoclonal antibody; Plasma level (Suzuki, N. (118) 245)

Endotoxin
Interleukin-1; Tumor necrosis factor; Ultrafiltration; Mononuclear cell; High-flux membrane (Schindler, R. (116) 159)

Lipooligosaccharide; Monoclonal antibody; Polymyxin B; *Haemophilus influenzae* type b; *Limulus* amebocyte lysate method (Mertsola, J. (122) 219)

Endotoxin detection
ELISA; Lipopolysaccharide; *Escherichia coli* K12 recombinant DNA protein (Peborde, J.P. (120) 259)

Enkephalin
Monoclonal antibody; Tyrosine hydroxylase; Internal labeling; Immunocytochemistry; Substance P (Elliott, P.J. (123) 141)

Entamoeba histolytica
Immune complex; Solid-phase radioimmunoassay (Mohimen, A. (117) 39)

Enterococcal endocarditis
Enterococcus faecalis; λ*gt*11; ELISA, indirect; Serodiagnosis (Burnie, J.P. (123) 217)

Enterococcus faecalis
λ*gt*11; ELISA, indirect; Serodiagnosis; Enterococcal endocarditis (Burnie, J.P. (123) 217)

Enterocyte
Ia antigen; Gut epithelium, mouse (Kaiserlian, D. (122) 243)

Enzyme
Autoantibody; ELISA; Immune complex (O'Hara, B.P. (116) 175)

Nanoparticle; Conjugate; Immunoassay; (Antibody) (Nilsson, K.G.I. (122) 273)

Enzyme amplification
Anti-GBM antibody; ELISA; Goodpasture antigen (Saxena, R. (118) 73)

Enzyme characterization
Antibody affinity; Enzyme immunoinhibition; Monoclonal antibody; Graphical determination; Alkaline phosphatase (Ehle, H. (117) 17)

Enzyme immunoassay
Monoclonal antibody; Cell surface antigen (Tumosa, N. (116) 59)

Microsphere; Flow cytometry; Immunofluorescence assay; *Candida albicans* (McHugh, T.M. (116) 213)

Immune complex; C3 neoepitope; Monoclonal antibody; Anti-immunoglobulin antibody; Complement (Garred, P. (117) 59)

Protein A; Chromatography, affinity; Monoclonal antibody (Bloom, J.W. (117) 83)

Granulocyte colony stimulating factor, human; Anti-recombinant human granulocyte colony stimulating factor antibody (Motojima, H. (118) 187)

Insulin; Monoclonal antibody; Alkaline phosphatase; Phenolphthaleine monophosphate (Storch, M.-J. (119) 53)

Interleukin-1α, human recombinant; Deamidated human recombinant interleukin-1α; Monoclonal antibody (Sunahara, N. (119) 75)

Liposome immune lysis assay; Sandwich assay; α_2 Plasmin inhibitor; α_2 Plasmin inhibitor-plasmin complex (Hosoda, K. (121) 121)

Interleukin-1; Cytokine; Monoclonal antibody; Acetylcholinesterase; Inflammation (Grassi, J. (123) 193)

Chlamydia; Lipopolysaccharide; Oxidation (Ossewaarde, J.M. (123) 293)

Borrelia; Immunoenzyme technique; Automation; (Antibody) (Viljanen, M.K. (124) 137)

Monoclonal antibody; N-*myc* protein; Western blotting (Ikegaki, N. (124) 205)

Enzyme immunoassay, competitive
Precipitin reaction; Monoclonal antibody; *Streptococcus*, oral; Mutans group (Ota, F. (124) 259)

Enzyme immunoassay, sandwich
α-Atrial natriuretic polypeptide, human; α-Atrial natriuretic polypeptide, rat; Monoclonal antibody (Watanabe, H. (124) 25)

Enzyme immunoinhibition
Antibody affinity; Monoclonal antibody; Graphical determination; Alkaline phosphatase; Enzyme characterization (Ehle, H. (117) 17)

Eosinophil
Eosinophil isolation, human; Immunoselection; Fcγ receptor; CD16 (Hansel, T.T. (122) 97)

Eosinophil isolation, human
Eosinophil; Immunoselection; Fcγ receptor; CD16 (Hansel, T.T. (122) 97)

Epidermal cell
Immunofluorescence; Bromodeoxyuridine; Cell surface marker (Staquet, M.-J. (116) 287)

Epitope
Apolipoprotein A-I; Monoclonal antibody; Apolipoprotein A-I determination; ELISA, non-competitive (Dubois, D.Y. (125) 215)

Epitope analysis
Peptide inhibitor; Biotinylation; Melittin (Von Grünigen, R. (125) 143)

Epitope characterization
Ribosomal protein; Monoclonal antibody; Synthetic peptide; Protein modification (Syu, W.-J. (118) 153)

Epitope mapping
Allergen-specific IgE; Avidin-biotin system (Walsh, B.J. (121) 275)

Creatine kinase; Monoclonal antibody; Native conformation (Man, N.t. (125) 251)

Epitope specificity
Monoclonal antibody; Antibody affinity; Avidin-biotin system; Solution-phase radioimmunoassay (Krüger, U. (117) 25)

Epstein-Barr virus transformation
Hybridoma, human; Monoclonal antibody; Leucyl-leucine methyl ester; In vitro immunization; Polymerase chain reaction (Borrebaeck, C.A.K. (123) 157)

***Escherichia coli* β-galactosidase**
Antibody-mediated protection against thermal denaturation; Carcinoembryonic antigen; Circular immune complex (Görög, G. (123) 131)

***Escherichia coli* K12 recombinant DNA protein**
ELISA; Endotoxin detection; Lipopolysaccharide (Peborde, J.P. (120) 259)

Estriol
Steroid; Estrogen; ^{125}I-estriol; Radioimmunoassay (Gloning, K. (122) 185)

Estrogen
Steroid; Estriol; ^{125}I-estriol; Radioimmunoassay (Gloning, K. (122) 185)

Europium
Nerve growth factor; Snake venom; Immunoassay, fluorometric, time-resolved; Pheochromocytoma PC12; Internalization (Arumäe, U. (122) 59)

Experimental autoimmune encephalomyelitis
T cell clone, rat; Encephalitogenic; Lymphokine; Interferon-γ (Sedgwick, J.D. (121) 185)

Expression library
T lymphocyte clone; *Plasmodium falciparum*; Immunoblotting (Guttinger, M. (121) 225)

F

F(ab')$_2$
Papain digestion; Monoclonal antibody, murine; Anti-papain IgG (Boguslawski, S.J. (120) 51)

Fab/c fragment
IgG2b fragmentation, mouse (Demignot, S. (121) 209)

FACS
Hypotonic; NH_4Cl lysing; Absolute leukocyte number (Terstappen, L.W.M.M. (123) 103)

Factor B
Complement activation; Immunoblotting; PAGE (Doran, M. (118) 237)

FAST-ELISA
ELISA; Pneumococcal antibody; Radioimmunoassay (Boctor, F.N. (120) 167)

Fcγ receptor
Eosinophil; Eosinophil isolation, human; Immunoselection; CD16 (Hansel, T.T. (122) 97)

Fc receptor
Antigen-specific B cell; Fluorescence-activated cell sorting; ELISA, spot; Immune complex; Immunization (Hoven, M.Y. (117) 275)

Chemiluminescence; Polymorphonuclear leukocyte; Target cell fragment; Antibody-dependent cell-mediated cytotoxicity (Van Kessel, K.P.M. (118) 279)

Fc receptor expression
Cell adherence test; Screening of cells or antibodies (Lemke, H. (121) 175)

Fc receptor for IgG
Monoclonal antibody; Flow cytometry (Vance, B.A. (118) 287)

Fetal bovine serum
Monoclonal antibody; In vitro production; Large-scale purification; Chromatography, protein A affinity; Chromatography, anion exchange (Jiskoot, W. (124) 143)

Field-flow fractionation
Cell separation; Hydrodynamic force; Adhesion chromatography (Bigelow, J.C. (117) 289)

Filter paper disc
Brucella abortus; ELISA (McLean, G. (123) 39)

Fixative
Calmodulin; Anti-calmodulin antibody; Dot-immunobinding assay; Immunoblot assay; Synaptosomal membrane (Natsukari, N. (125) 159)

Flagella
Pseudomonas aeruginosa; Immune complex; Cystic fibrosis; Lipopolysaccharide; Immunoblotting (Kronborg, G. (122) 51)

Flow cytometry
Microsphere; Immunofluorescence assay; *Candida albicans*; Enzyme immunoassay (McHugh, T.M. (116) 213)

Serum opsonin; Meningococcus; Phagocytosis (Sjursen, H. (116) 235)

Polymorphonuclear leukocyte; Phagocytosis; Hydrogen peroxide production (Hasui, M. (117) 53)

Monoclonal antibody; Hemopoiesis, murine; Immunoassay (Pallavicini, M.G. (117) 99)

Cell-mediated cytotoxicity; PKH-1; Fluorescent assay (Slezak, S.E. (117) 205)

Immunophenotyping; Fluorescence intensity analysis; Computer simulation; Curve fitting; Simplex method (Takase, K. (118) 129)

Cell sorting; Lipophilic fluorescent probe; Hybrid cell (Tertov, V.V. (118) 139)

Monoclonal antibody; Fluorescence; Lymphocyte subset; Activated T cell (Ashmore, L.M. (118) 209)

Monoclonal antibody; Fc receptor for IgG (Vance, B.A. (118) 287)

Liposome; Electron microscopy; Forward laser light scatter (Childers, N.K. (119) 135)

Celiac disease; α-Gliadin (Presani, G. (119) 197)

Calcium; Lymphocyte; Indo-1 (Griffioen, A.W. (120) 23)

Triple laser; Immunofluorescence; Multiparameter; Glutathione (Woronicz, J.D. (120) 291)

Allophycocyanin; Phycobiliprotein; Immunofluorescence; Receptor (Jung, T.M. (121) 9)

Monoclonal antibody; OKT3; ELISA; Transplantation (Lim, V.L. (121) 197)

Phagocytosis; *Staphylococcus aureus* (Cantinieaux, B. (121) 203)

Interleukin-2; Interleukin-2 receptor complex; Avidin-biotin system; ELISA (Taki, S. (122) 33)

Dual staining; Phenotypic marker; Cell cycle analysis; Saponin (Rigg, K.M. (123) 177)

Membrane permeabilization; Leukocyte; Intracellular immunofluorescence; Paraformaldehyde; *n*-Octyl-*β*-D-glucopyranoside (Halldén, G. (124) 103)

Phagocytosis; Granulocyte (Buschmann, H. (124) 231)

Magnetic cell separation; Peripheral B lymphocyte, human; Monoclonal antibody; Anti-CD20; Mitogen stimulation (Abts, H. (125) 19)

Monocyte; Monocyte separation (Jones, B.M. (125) 41)

Electroporation; Lysolecithin; Oncogene product; $p21^{ras}$; Intracellular antigen; (Antibody) (Berglund, D.L. (125) 79)

Affinity constant; Monoclonal antibody; Cell surface antigen; ELISA (Bator, J.M. (125) 167)

Basophil; IgE; Immunofluorescence; Viability (Bochner, B.S. (125) 265)

Flow cytometry, dual color
Mitogenic plant lectin; Lymphocyte, human; Monoclonal antibody (Serke, S. (121) 231)

Fluorescein isothiocyanate
Immunofluorescence (Krenik, K.D. (117) 91)

Lymphocyte migration; Immunohistochemistry; Double staining; Spleen; Cryostat section (Willführ, K.U. (120) 29)

Macrophage; Phagocytosis; Spectrofluorometry (Ragsdale, R.L. (123) 259)

Fluorescence
Monoclonal antibody; Lymphocyte subset; Flow cytometry; Activated T cell (Ashmore, L.M. (118) 209)

Image processing; Immunohistochemistry; Basement membrane; (Kidney) (Basgen, J.M. (124) 77)

Fluorescence-activated cell sorter
Lymphocyte surface marker; Interleukin-2 receptor; Interleukin-2 (Harel-Bellan, A. (119) 127)

Transfectants murine; Surface molecule; Monoclonal antibody; Immunorosette (Peruzzi, L. (123) 113)

Fluorescence-activated cell sorting
Antigen-specific B cell; ELISA, spot; Immune complex; Fc receptor; Immunization (Hoven, M.Y. (117) 275)

Fluorescence assay
Complement activity, human; Large unilamellar liposome (Masaki, T. (123) 19)

Fluorescence immunoassay
Viral antibody; Particle concentration fluorescence immunoassay; Theiler's murine encephalomyelitis virus (Peterson, J.D. (119) 83)

Fluorescence intensity analysis
Flow cytometry; Immunophenotyping; Computer simulation; Curve fitting; Simplex method (Takase, K. (118) 129)

Fluorescent assay
Cell-mediated cytotoxicity; Flow cytometry; PKH-1 (Slezak, S.E. (117) 205)

Fluorescent immunodot assay
Bacillus cereus enterotoxin (Jackson, S.G. (120) 215)

Fluorescent liposome
Indirect immunofluorescence (Gray, A.G. (121) 1)

Fluorochrome-labeled target
Natural killer cell; Cytotoxicity assay (Wierda, W.G. (122) 15)

Fluoroimmunoassay
DNA methylation; 5-Methyl-2′-deoxycytidine (Rasi, S. (117) 33)

Fluorometry
ELISA, reverse; ELISA, IgE-capture; IgE, mouse (Sakaguchi, M. (116) 181)

Foot-and-mouth disease virus
ELISA, liquid-phase; Serum neutralization test; Vaccination; Immunity; Protection (Van Maanen, C. (124) 111)

Formazan
Tetrazolium salt; Cell growth; Cell kill (Hansen, M.B. (119) 203)

Forward laser light scatter
Liposome; Flow cytometry; Electron microscopy (Childers, N.K. (119) 135)

Frazer's Fraction III
Gluten; Gliadin; Prolamin; Monoclonal antibody; Celiac disease (Ellis, H.J. (120) 17)

Free radical
ELISA; Horseradish peroxidase; Gamma irradiation; Superoxide dismutase (Schuler, G. (116) 27)

Fusion efficiency
In vitro stimulation; Monoclonal antibody; Specific B cell response; Lipid A; Muramyl dipeptide; Immunogenicity (Erich, T. (118) 17)

Fusion protein
Malaria; ELISA; *Plasmodium falciparum* (Früh, K. (122) 25)

G

Gamma irradiation
ELISA; Horseradish peroxidase; Free radical; Superoxide dismutase (Schuler, G. (116) 27)

Gel retardation assay
Anti-DNA antibody; dsDNA-binding; Avidin-biotin micro-ELISA (Vaishnav, Y.N. (118) 25)

***Giardia lamblia* antigen**
Immunoblotting; Antigen loss (DenHollander, N. (122) 129)

Glass bead
Neutrophil adherence; ^{51}Chromium (Kinoshita, Y. (124) 29)

Gliadin
Gluten; Prolamin; Frazer's Fraction III; Monoclonal antibody; Celiac disease (Ellis, H.J. (120) 17)

α-Gliadin
Celiac disease; Flow cytometry (Presani, G. (119) 197)

γ-Globulin, bovine
ELISA; Gonadotrophin (Jagannadha Rao, A. (125) 261)

Glutathione
Flow cytometry; Triple laser; Immunofluorescence; Multiparameter (Woronicz, J.D. (120) 291)

Gluten
Gliadin; Prolamin; Frazer's Fraction III; Monoclonal antibody; Celiac disease (Ellis, H.J. (120) 17)

Glycated albumin
Monoclonal antibody; ELISA; Diabetes (Cohen, M.P. (122) 279)

Glycoalbumin
Monoclonal antibody; Diabetes (Cohen, M.P. (117) 121)

Glycoprotein D
Synthetic peptide; Herpes simplex virus type 1; ELISA (Van der Ploeg, J.R. (124) 211)

Glycoprotein X
Pseudorabies; ELISA; Bioengineered vaccine; Phenotypic reversion (Eaton, L.C. (118) 125)

Gm allotype frequency
Immunoglobulin allotyping; Miniaturized method (Young, N.T. (122) 143)

GM allotyping
Monoclonal antibody; Anti-G3M T (Kimura, A. (116) 99)

Gonadotrophin
ELISA; γ-Globulin, bovine (Jagannadha Rao, A. (125) 261)

Goodpasture antigen
Anti-GBM antibody; Enzyme amplification; ELISA (Saxena, R. (118) 73)

GP-2
ELISA; Membrane protein; Secretion granule; Pancreas (Leblond, F.A. (124) 71)

Granule
Cytolytic T lymphocyte; Subcellular fractionation; Serine esterase; Perforin; Pore-forming protein; Hemolysis (Persechini, P.M. (124) 7)

Granulocyte
Phagocytosis; Flow cytometry (Buschmann, H. (124) 231)

Granulocyte colony stimulating factor, human
Anti-recombinant human granulocyte colony stimulating factor antibody; Enzyme immunoassay (Motojima, H. (118) 187)

Granulocyte-macrophage colony-stimulating factor
Interleukin-3; Bone marrow stem cell assay; Chromatography, hydrophobic interaction (Pullman, W.E. (117) 153)

Graphical determination
Antibody affinity; Enzyme immunoinhibition; Monoclonal antibody; Alkaline phosphatase; Enzyme characterization (Ehle, H. (117) 17)

Growth factor receptor
(Rakowicz-Szulczynska, E.M. (116) 167)

Growth hormone antibody
ELISA; Antibody assay (Wilkin, T. (122) 123)

λgt11
Enterococcus faecalis; ELISA, indirect; Serodiagnosis; Enterococcal endocarditis (Burnie, J.P. (123) 217)

Gut epithelium, mouse
Enterocyte; Ia antigen (Kaiserlian, D. (122) 243)

H

***Haemophilus influenzae* type b**
Endotoxin; Lipooligosaccharide; Monoclonal antibody; Polymyxin B; *Limulus* amebocyte lysate method (Mertsola, J. (122) 219)

Heat-inactivation
Potentiation; Anti-cardiolipin; ELISA; Inhibitor (Cheng, H.-M. (124) 235)

Helper T lymphocyte
Interleukin-2; Limiting dilution; Allospecificity (Theobald, M. (121) 19)

Hemagglutination
Cell surface antigen; Screening of monoclonal antibodies (Kokkinopoulos, D. (119) 59)

Hemolysis
Cytolytic T lymphocyte; Granule; Subcellular fractionation; Serine esterase; Perforin; Pore-forming protein (Persechini, P.M. (124) 7)

β Hemolytic streptococcal infection
Anti-streptolysin-O; Inhibition of hemolysis; ELISA (Moscoso del Prado, J. (124) 219)

Hemopoiesis, murine
Monoclonal antibody; Immunoassay; Flow cytometry (Pallavicini, M.G. (117) 99)

Hemopoietic colony
B cell progenitor; Pre-B cell; Stromal cell; Soluble mediator (Dorshkind, K. (123) 93)

Hepatitis B surface antigen
ELISA, inhibition; Monoclonal anti-idiotype antibody (Kim, W.B. (125) 273)

Herpes simplex virus immunity
IgG subclass, guinea pig; Monoclonal antibody (McBride, B.W. (118) 193)

Herpes simplex virus type 1
Synthetic peptide; ELISA; Glycoprotein D (Van der Ploeg, J.R. (124) 211)

Herpes simplex virus type 1 glycoprotein D
Adjuvant; Synthetic peptide (Geerligs, H.J. (124) 95)

Hetero-bifunctional reagent
Malarial peptide; Carrier protein; Peptide conjugate; Coupling chemistry (Jones, G.L. (123) 211)

Heteroclitic response
Insulin; Immunogenicity; In vitro priming; Autoimmunization; HLA (Parkar, B.A. (120) 159)

Heteroconjugate
Polymer; Streptavidin; Biotin; Heteroligating; Immunogen (Nardelli, B. (120) 233)

Heterohybridoma
Monoclonal antibody; (Sheep) (Flynn, J.N. (121) 237)

Heteroligating
Polymer; Streptavidin; Biotin; Heteroconjugate; Immunogen (Nardelli, B. (120) 233)

High expression vector
Recombinant interleukin-5, human; interleukin-5 antibody, anti-mouse; Purification (Mita, S. (125) 233)

High-flux membrane
Interleukin-1; Tumor necrosis factor; Ultrafiltration; Mononuclear cell; Endotoxin (Schindler, R. (116) 159)

High molecular weight kininogen
Immunoblotting; Western blotting; Laser densitometry; Contact activation of plasma proteins (Reddigari, S. (119) 19)

Hirudin
Antigenic site; Antigenic structure; Immunoresponse; Anticoagulant (Mao, S.J.T. (120) 45)

HIV
ELISA, anti-HIV-1; Monoclonal antibody, human; Competition assay (Döpel, S.-H. (116) 229)

HIV-1
Synthetic peptide; ELISA (Modrow, S. (118) 1)

HLA
Insulin; Immunogenicity; In vitro priming; Autoimmunization; Heteroclitic response (Parkar, B.A. (120) 159)

HLA-DR antigen
bio-ELISA; Cytokine; COLO 205 cell; Interferon-γ; Major histocompatibility complex class II antigen (Gibson, U.E.M. (125) 105)

HLA molecule
ELISA; Peptide-specific antibody, rabbit, mouse, human (Bouillot, M. (116) 189)

HLA system
ELISA; ELISA, double antibody; Blood stain (Bishara, A. (120) 99)

Hoechst 33342
Lymphocyte migration; Lymphocyte motility (Loeffler, D. (119) 95)

Horseradish peroxidase
ELISA; Gamma irradiation; Free radical; Superoxide dismutase (Schuler, G. (116) 27)

ELISA; Immunoassay; Amplification (Bobrow, M.N. (125) 279)

House dust mite
Immunotherapy; Liposome; Allergen; Immunoblotting (McWilliam, A.S. (121) 53)

Human growth hormone
Urine; ELISA; Avidin-biotin (Bullen, H. (121) 247)

Human immunodeficiency virus
Immuno-dot blot; ELISA; Monoclonal antibody, human; Nitrocellulose paper (Xu, J.-Y. (120) 179)

Hybrid cell
Flow cytometry; Cell sorting; Lipophilic fluorescent probe (Tertov, V.V. (118) 139)

Hybridization, in situ
Papillomavirus typing, human; Biotinylated DNA probe; Carcinoma cell line, human (Guérin-Reverchon, I. (123) 167)

Hybridoma
Monoclonal antibody; Serum-free medium (Schneider, Y.-J. (116) 65)

Cell culture; Monoclonal antibody (Nakamura, Y. (118) 31)

Differentiation antigen; T lymphocyte; Interspecies hybrid; (Guinea pig) (Schäfer, H. (118) 169)

Intrasplenic immunization; Inguinal lymph node immunization; Monoclonal antibody (Hong, T.-H. (120) 151)

Immunomagnetic isolation; Monoclonal antibody; Thyroglobulin; Antigen-specific B cell; B lymphocyte (Ossendorp, F.A. (120) 191)

Cell fusion; Electroporation; Biotin; Streptavidin (Hewish, D.R. (120) 285)

Monoclonal antibody production; Secretion kinetics; Surface immunofluorescence (Meilhoc, E. (121) 167)

Monoclonal antibody; In vitro immunization (De Boer, M. (121) 253)

Monoclonal antibody; IgE, rat; Mast cell-deficient mouse (Rup, B.J. (122) 137)

Sp2/0 ascites; Cell fusion; Monoclonal antibody (Stewart, S.S. (123) 45)

Long-term storage; Bovine milk; Milk derivative (Derouiche, F. (125) 13)

Immunofluorescence; Viral antigen; Monoclonal antibody (Onisk, D.V. (125) 203)

Immunocytochemistry; Screening (Berghman, L.R. (125) 225)

Hybridoma formation
Monoclonal antibody; Hybridoma growth factor; Interleukin-6 (Bazin, R. (116) 245)

Hybridoma growth factor
Monoclonal antibody; Hybridoma formation; Interleukin-6 (Bazin, R. (116) 245)

Hybridoma, human
Electrofusion (Foung, S.K.H. (116) 117)

Monoclonal antibody; Leucyl-leucine methyl ester; In vitro immunization; Epstein-Barr virus transformation; Polymerase chain reaction (Borrebaeck, C.A.K. (123) 157)

Hybridoma, rat-rat
Ascites production; Monoclonal antibody production; Pristane; Incomplete Freund's adjuvant (Kints, J.-P. (119) 241)

Hybridoma screening
Monoclonal antibody; ELISA; Interferon-α (Overall, M.L. (119) 27)

Hybridoma screening strategy
Immunoblotting; Monoclonal antibody; Platelet protein (Perutelli, P. (123) 227)

Hybridoma technology
Monoclonal antibody; Cell sorting; Magnetic microsphere (Horton, J.K. (124) 225)

Hydrodynamic force
Cell separation; Adhesion chromatography; Field-flow fractionation (Bigelow, J.C. (117) 289)

Hydrogen peroxide
Drug targeting; Inflammation; Tissue damage; Immunotoxin (Muzykantov, V.R. (119) 65)

Hydrogen peroxide production
Polymorphonuclear leukocyte; Phagocytosis; Flow cytometry (Hasui, M. (117) 53)

Hydrophilic solid support
Poly(acrylamide); Solid-phase immunoassay; Ultrasound; Antigen concentration (Tarcha, P.J. (125) 243)

Hydrophobic labeling
Membrane protein; Iodonaphthylazide; Lipid bilayer; 3-(Trifluoromethyl)-3-(3′-iodophenyl)diazirine (Vogel, L. (116) 31)

Hymenoptera insect venom
Immunoblotting; IgG4 (Einarsson, R. (120) 265)

Hypotonic
FACS; NH_4Cl lysing; Absolute leukocyte number (Terstappen, L.W.M.M. (123) 103)

Hypoxanthine aminopterin thymidine-sensitive mutant
Neomycin resistant; Retroviral mediated gene transfer (De Lau, W.B.M. (117) 1)

I

Ia antigen
Enterocyte; Gut epithelium, mouse (Kaiserlian, D. (122) 243)

Macrophage; Cell surface antigen; Mac-1 antigen; Anchored cell analysis station 470 (Hogan, M.M. (123) 9)

Idiotypic activity
Monoclonal mouse IgE; IgE, rabbit anti-mouse; Allotypic activity; IgE light chain; Western blotting (Savelkoul, H.F.J. (116) 265)

^{125}I-estriol
Steroid; Estrogen; Estriol; Radioimmunoassay (Gloning, K. (122) 185)

IgA
Immunoglobulin; IgM; IgG; Chromatography chromatofocusing, high pressure liquid; ELISA; (Antibody) (Waldrep, J.C. (118) 273)

Immunoassay; Immunodeficiency (Haun, M. (121) 151)

IgA1 protease; Mucosal immunity; Immunoassay (Brown, T.A. (123) 241)

IgA1 protease
IgA; Mucosal immunity; Immunoassay (Brown, T.A. (123) 241)

IgE
Mast cell; Mucosal mast cell (Hickling, K.C. (116) 19)

Immunoadsorption; Immobilization; Anti-IgE (Sato, H. (118) 161)

ELISA; Ultrasensitivity; In vitro B cell culture (Kemeny, D.M. (120) 251)

Basophil; Flow cytometry; Immunofluorescence; Viability (Bochner, B.S. (125) 265)

IgE detection
IgE, murine; ELISA, improved; Antibody competition (Hirano, T. (119) 145)

IgE light chain
Monoclonal mouse IgE; IgE, rabbit anti-mouse; Idiotypic activity; Allotypic activity; Western blotting (Savelkoul, H.F.J. (116) 265)

IgE luminescence immunoassay
Two-dimensional photon counting; Chemiluminescence multiwell analyzer; B cell chemiluminescence (Maly, F.-E. (122) 91)

IgE, mouse
Fluorometry; ELISA, reverse; ELISA, IgE-capture (Sakaguchi, M. (116) 181)

Terasaki-ELISA; ELISA, inhibition; Antiserum, commercial; Western blotting (Savelkoul, H.F.J. (116) 277)

IgE, murine
IgE detection; ELISA, improved; Antibody competition (Hirano, T. (119) 145)

IgE, rabbit anti-mouse
Monoclonal mouse IgE; Idiotypic activity; Allotypic activity; IgE light chain; Western blotting (Savelkoul, H.F.J. (116) 265)

IgE, rat
Monoclonal antibody; Hybridoma; Mast cell-deficient mouse (Rup, B.J. (122) 137)

IgE receptor
Rosetting; Basophil-like cell (Kirshenbaum, A.S. (123) 55)

IgG
Immunoglobulin; IgA; IgM; Chromatography chromatofocusing, high pressure liquid; ELISA; (Antibody) (Waldrep, J.C. (118) 273)

Complement component; C1q; C3; C4; C5; Chicken antibody; ELISA (Larsson, A. (119) 103)

IgG4
Hymenoptera insect venom; Immunoblotting (Einarsson, R. (120) 265)

IgG2a^b
ELISA; Quantitation; Ig isotype/allotype, mouse (Klein-Schneegans, A.-S. (125) 207)

IgG2b fragmentation, mouse
Fab/c fragment (Demignot, S. (121) 209)

IgG(Fc) receptor
Monocyte; Anti-RBC IgG antibody; Lectin-binding capacity of IgG; Peanut agglutinin; Concanavalin A (Malaise, M.G. (119) 231)

Streptococcus dysgalactiae; Chromatography, affinity (Lämmler, C. (124) 131)

IgG isolation
Chromatography; Immunoaffinity; ELISA; Uteroglobin (Dannhorn, D.R. (119) 223)

IgG1 production
Antibody inhibition; Antibody production in vitro; Isotype switch (McHeyzer-Williams, M.G. (119) 9)

IgG subclass, guinea pig
Monoclonal antibody; Herpes simplex virus immunity (McBride, B.W. (118) 193)

Ig isotype/allotype, mouse
ELISA; Quantitation; $IgG2a^b$ (Klein-Schneegans, A.-S. (125) 207)

Ig isotype, mouse
ELISA; Quantitation (Klein-Schneegans, A.-S. (119) 117)

IgM
Immunoglobulin; IgA; IgG; Chromatography chromatofocusing, high pressure liquid; ELISA; (Antibody) (Waldrep, J.C. (118) 273)

Isotype switch; Monoclonal antibody (Beckwith, M. (123) 249)

IgM antibody
Brucella; Latex agglutination (Cambiaso, C.L. (122) 169)

IgM detection
Latex immunoassay; Turbidimetry; *Trichinella spiralis* (Lim, P.-L. (117) 267)

IgM, squirrel monkey
Monoclonal antibody; Solid-phase immunoradiometric assay; Serum IgM level; Immunoblotting (Fandeur, T. (118) 109)

Image processing
Fluorescence; Immunohistochemistry; Basement membrane; (Kidney) (Basgen, J.M. (124) 77)

Immobilization
Protein; ELISA (Jitsukawa, T. (116) 251)

IgE; Immunoadsorption; Anti-IgE (Sato, H. (118) 161)

Immune complex
Steric effect; ELISA sensitivity (Brown, D.W. (116) 45)

Enzyme; Autoantibody; ELISA (O'Hara, B.P. (116) 175)

Entamoeba histolytica; Solid-phase radioimmunoassay (Mohimen, A. (117) 39)

C3 neoepitope; Monoclonal antibody; Anti-immunoglobulin antibody; Complement; Enzyme immunoassay (Garred, P. (117) 59)

Antigen-specific B cell; Fluorescence-activated cell sorting; ELISA, spot; Fc receptor; Immunization (Hoven, M.Y. (117) 275)

Monoclonal antibody; T cell leukemia virus type I, human; ELISA; T cell leukemia, adult (Ishibashi, K. (119) 217)

Pseudomonas aeruginosa; Cystic fibrosis; Flagella; Lipopolysaccharide; Immunoblotting (Kronborg, G. (122) 51)

Immunity
ELISA, liquid-phase; Serum neutralization test; Foot-and-mouth disease virus; Vaccination; Protection (Van Maanen, C. (124) 111)

Immunization
Antigen-specific B cell; Fluorescence-activated cell sorting; ELISA, spot; Immune complex; Fc receptor (Hoven, M.Y. (117) 275)

Immunoadsorbent
Synthetic peptide; Antipeptide antibody (Chersi, A. (122) 285)

Immunoadsorption
IgE; Immobilization; Anti-IgE (Sato, H. (118) 161)

Monoclonal antibody; Cleavable cross-linker; Cell separation procedure; Bone marrow transplantation (Thomas, T.E. (120) 221)

Immunoaffinity
Chromatography; ELISA; IgG isolation; Uteroglobin (Dannhorn, D.R. (119) 223)

Immunoassay
Tumor necrosis factor; Lymphotoxin; Bioassay (Meager, A. (116) 1)

Interleukin-1α; Interleukin-1β (Poole, S. (116) 259)

Interleukin-4, human; Monoclonal antibody; Antiserum (Chrétien, I. (117) 67)

Monoclonal antibody; Hemopoiesis, murine; Flow cytometry (Pallavicini, M.G. (117) 99)

Avidin-biotin; ELISA; Immunohistology; Monoclonal antibody (Cassano, W.F. (117) 169)

Vanillylmandelic acid; Chemistry; Antibody; Immunogen (Mellor, G.W. (118) 101)

Allergen; *Dermatophagoides* spp.; Monoclonal antibody (Luczynska, C.M. (118) 227)

Methamphetamine; Monoclonal antibody (Usagawa, T. (119) 111)

Antibody affinity; Optical technique; Antibody concentration; Surface plasmon (Mayo, C.S. (120) 105)

Complement C8; Biotinylation (Bhakdi, S. (121) 61)

Carcinoembryonic antigen; Complement; Solid-phase antibody (Börmer, O.P. (121) 85)

IgA; Immunodeficiency (Haun, M. (121) 151)

Nanoparticle; Enzyme; Conjugate; (Antibody) (Nilsson, K.G.I. (122) 273)

IgA; IgA1 protease; Mucosal immunity (Brown, T.A. (123) 241)

Protein G; Immunoglobulin-binding protein; *Streptococcus*; Mitogen (Faulmann, E.L. (123) 269)

α_1-Acid glycoprotein; ELISA (Biou, D. (125) 1)

ELISA; Amplification; Horseradish peroxidase (Bobrow, M.N. (125) 279)

Immunoassay, fluorometric, time-resolved
Nerve growth factor; Snake venom; Europium; Pheochromocytoma PC12; Internalization (Arumäe, U. (122) 59)

Immunobinding
Poly(ADP-ribose); Nuclear antigen; Autoantibody; Dot-blot (Prasad, S. (116) 79)

ELISA; Immunoblotting; Tween 20; Non-specific binding (Mohammad, K. (117) 141)

Immunoblot assay
Calmodulin; Anti-calmodulin antibody; Dot-immunobinding assay; Fixative; Synaptosomal membrane (Natsukari, N. (125) 159)

Immunoblot fingerprinting
Aspergillus fumigatus; Aspergilloma (Burnie, J.P. (118) 179)

Immunoblotting
ELISA; Immunobinding; Tween 20; Non-specific binding (Mohammad, K. (117) 141)

IgM, squirrel monkey; Monoclonal antibody; Solid-phase immunoradiometric assay; Serum IgM level (Fandeur, T. (118) 109)

Complement activation; Factor B; PAGE (Doran, M. (118) 237)

High molecular weight kininogen; Western blotting; Laser densitometry; Contact activation of plasma proteins (Reddigari, S. (119) 19)

Dot blotting; Slot blotting; Dot immunobinding; Electrophoresis; Western blotting; (Methods); (Review) (Stott, D.I. (119) 153)

Hymenoptera insect venom; IgG4 (Einarsson, R. (120) 265)

Immunotherapy; Liposome; Allergen; House dust mite (McWilliam, A.S. (121) 53)

T lymphocyte clone; *Plasmodium falciparum*; Expression library (Guttinger, M. (121) 225)

Pseudomonas aeruginosa; Immune complex; Cystic fibrosis; Flagella; Lipopolysaccharide (Kronborg, G. (122) 51)

Antigen loss; *Giardia lamblia* antigen (DenHollander, N. (122) 129)

Hybridoma screening strategy; Monoclonal antibody; Platelet protein (Perutelli, P. (123) 227)

Immunocarrier
Diazotized polystyrene; Latex; Rapid diagnosis; Leptospirosis (Liu, Y.-c. (124) 159)

Immunochemical method
Monoclonal antibody; Lipopolysaccharide; Protein conformation; Membrane solubilization; Line blot immunoassay (Raoult, D. (125) 57)

Immunocytochemical assay
Cytomegalovirus; Digoxigenin-labeled probe; In situ DNA hybridization (Gentilomi, G. (125) 177)

Immunocytochemistry
Intermediate filament protein; Endogenous peroxidase activity; Cyclopropanone hydrate; Sodium azide; Propyl-thiouracil (Hittmair, A. (116) 199)

Phosphatidylserine; Platelet; (Antibody) (Maneta-Peyret, L. (122) 155)

Monoclonal antibody; Tyrosine hydroxylase; Internal labeling; Substance P; Enkephalin (Elliott, P.J. (123) 141)

Hybridoma; Screening (Berghman, L.R. (125) 225)

Immunodeficiency
IgA; Immunoassay (Haun, M. (121) 151)

Immuno-dot blot
Human immunodeficiency virus; ELISA; Monoclonal antibody, human; Nitrocellulose paper (Xu, J.-Y. (120) 179)

Immunoelectrophoresis
Electrophoresis; Immunoprecipitation (Viel, A. (119) 287)

Immunoenzyme technique
Monoclonal antibody, human; Neoplasm antigen; Surface antigen; Neoplasm; Colorectal carcinoma (Tuson, J.R.D. (121) 47)

Borrelia; Enzyme immunoassay; Automation; (Antibody) (Viljanen, M.K. (124) 137)

Immunofiltration
Rapid immunoassay; Tween 20; Protein A (IJsselmuiden, O.E. (119) 35)

Immunofluorescence
Bromodeoxyuridine; Cell surface marker; Epidermal cell (Staquet, M.-J. (116) 287)

Fluorescein isothiocyanate (Krenik, K.D. (117) 91)

Monoclonal antibody; Interleukin-1 (Barkley, D. (120) 277)

Flow cytometry; Triple laser; Multiparameter; Glutathione (Woronicz, J.D. (120) 291)

Allophycocyanin; Phycobiliprotein; Flow cytometry; Receptor (Jung, T.M. (121) 9)

Tumor necrosis factor α; Tumor necrosis factor β; Cytokine-producing cell; Detection method (Andersson, U. (123) 233)

Viral antigen; Monoclonal antibody; Hybridoma (Onisk, D.V. (125) 203)

Basophil; IgE; Flow cytometry; Viability (Bochner, B.S. (125) 265)

Immunofluorescence assay
Microsphere; Flow cytometry; *Candida albicans*; Enzyme immunoassay (McHugh, T.M. (116) 213)

Immunogen
Vanillylmandelic acid; Chemistry; Antibody; Immunoassay (Mellor, G.W. (118) 101)

Polymer; Streptavidin; Biotin; Heteroconjugate; Heteroligating (Nardelli, B. (120) 233)

Immunogenicity
In vitro stimulation; Monoclonal antibody; Fusion efficiency; Specific B cell response; Lipid A; Muramyl dipeptide (Erich, T. (118) 17)

Conjugation; Synthetic antigen; (Antibody) (Marini, S. (120) 57)

Insulin; In vitro priming; Autoimmunization; HLA; Heteroclitic response (Parkar, B.A. (120) 159)

Immunoglobulin
IgA; IgM; IgG; Chromatography chromatofocusing, high pressure liquid; ELISA; (Antibody) (Waldrep, J.C. (118) 273)

Protease; Rocket immunoelectrophoresis (Lassiter, M.O. (123) 63)

Immunoglobulin allotyping
Miniaturized method; Gm allotype frequency (Young, N.T. (122) 143)

Immunoglobulin-binding protein
Protein G; *Streptococcus*; Immunoassay; Mitogen (Faulmann, E.L. (123) 269)

Immunoglobulin capacity
Ligand leakage; Protein A; Chromatography, affinity (Füglistaller, P. (124) 171)

Immunohistochemistry
Double staining; Triple staining; Anti-fluorescein isothiocyanate; Monoclonal antibody, commercial (Van der Loos, C.M. (117) 45)

Lymphocyte migration; Fluorescein isothiocyanate; Double staining; Spleen; Cryostat section (Willführ, K.U. (120) 29)

Fluorescence; Image processing; Basement membrane; (Kidney) (Basgen, J.M. (124) 77)

Immunohistology
Avidin-biotin; ELISA; Immunoassay; Monoclonal antibody (Cassano, W.F. (117) 169)

Immunologic adjuvant
Class antibody; Monoclonal antibody; Antibody affinity; Antibody formation; Antigenic determinant; Competitive binding; Protein denaturation (Kenney, J.S. (121) 157)

Immunomagnetic isolation
Monoclonal antibody; Thyroglobulin; Antigen-specific B cell; B lymphocyte; Hybridoma (Ossendorp, F.A. (120) 191)

Immunomagnetic separation
T cell receptor-$\gamma\delta$; Cell separation (Bosnes, V. (118) 251)

Immunophenotyping
Flow cytometry; Fluorescence intensity analysis; Computer simulation; Curve fitting; Simplex method (Takase, K. (118) 129)

Immunoprecipitation
Immunoelectrophoresis; Electrophoresis (Viel, A. (119) 287)

Phosphotyrosine; Kinase; Oncogene (Kanner, S.B. (120) 115)

Immunoradiometric assay
Monoclonal antibody assay, human; Anti-idiotypic antibody (Khazaeli, M.B. (117) 175)

Tumor marker; Polyclonal antibody; Monoclonal antibody; Radioimmunoassay (Kardana, A. (118) 53)

Immunoreactivity
Monoclonal antibody, radiolabeled; Chromatography, affinity (Rosebrough, S.F. (116) 123)

Immunoresponse
Antigenic site; Antigenic structure; Hirudin; Anticoagulant (Mao, S.J.T. (120) 45)

Immunorosette
Transfectants murine; Surface molecule; Monoclonal antibody; Fluorescence activated cell sorter (Peruzzi, L. (123) 113)

Immunoscintigraphy
Monoclonal antibody purification; Acid phosphatase; Prostatic cancer (Hakalahti, L. (117) 131)

Immunoselection
Eosinophil; Eosinophil isolation, human; Fcγ receptor; CD16 (Hansel, T.T. (122) 97)

Lymphocyte; Monoclonal antibody (Pilling, D. (122) 235)

Immunoslot blot
Quantitative immunoassay; Membrane protein; EGF receptor; Dexamethasone (Von Knebel Doeberitz, M. (122) 259)

Immunosuppressive agent
Tamm-Horsfall glycoprotein; Uromodulin; Urinary protein (Serafini-Cessi, F. (120) 185)

Immunotherapy
Liposome; Allergen; House dust mite; Immunoblotting (McWilliam, A.S. (121) 53)

Immunotoxin
Hydrogen peroxide; Drug targeting; Inflammation; Tissue damage (Muzykantov, V.R. (119) 65)

Aromatic crosslinker; Aliphatic crosslinker; Bone marrow transplantation (Myers, D.E. (121) 129)

Incomplete Freund's adjuvant
Hybridoma, rat-rat; Ascites production; Monoclonal antibody production; Pristane (Kints, J.-P. (119) 241)

Incomplete IgG
Avidin-biotin ELISA; Brucellosis; Protein A (Jagannath, C. (124) 251)

Indirect immunofluorescence
Fluorescent liposome (Gray, A.G. (121) 1)

Individual HLA class I antigen
Limiting dilution analysis; Cytotoxic T lymphocyte precursor frequency; (Human) (Zhang, L. (121) 39)

Indo-1
Calcium; Flow cytometry; Lymphocyte (Griffioen, A.W. (120) 23)

Inflammation
Hydrogen peroxide; Drug targeting; Tissue damage; Immunotoxin (Muzykantov, V.R. (119) 65)

Interleukin-1; Cytokine; Enzyme immunoassay; Monoclonal antibody; Acetylcholinesterase (Grassi, J. (123) 193)

Inguinal lymph node immunization
Intrasplenic immunization; Monoclonal antibody; Hybridoma (Hong, T.-H. (120) 151)

Inhibition of hemolysis
Anti-streptolysin-O; ELISA; β Hemolytic streptococcal infection (Moscoso del Prado, J. (124) 219)

Inhibitor
Heat-inactivation; Potentiation; Anti-cardiolipin; ELISA (Cheng, H.-M. (124) 235)

In situ DNA hybridization
Cytomegalovirus; Digoxigenin-labeled probe; Immunocytochemical assay (Gentilomi, G. (125) 177)

Insulin
Monoclonal antibody; Enzyme immunoassay; Alkaline phosphatase; Phenolphthaleine monophosphate (Storch, M.-J. (119) 53)

Immunogenicity; In vitro priming; Autoimmunization; HLA; Heteroclitic response (Parkar, B.A. (120) 159)

Insulin antibody
Time-resolved fluoroimmunoassay; Serum analysis; Affinity distribution measurement (Vos, Q. (122) 43)

Interferon-α
Monoclonal antibody; Hybridoma screening; ELISA (Overall, M.L. (119) 27)

Interferon-γ
ELISPOT; Tumor necrosis factor; Cytokine (Hutchings, P.R. (120) 1)

T cell clone, rat; Experimental autoimmune encephalomyelitis; Encephalitogenic; Lymphokine (Sedgwick, J.D. (121) 185)

ELISA; Monoclonal antibody; Serum sample; Malaria (Andersson, G. (125) 89)

bio-ELISA; Cytokine; COLO 205 cell; HLA-DR antigen; Major histocompatibility complex class II antigen (Gibson, U.E.M. (125) 105)

Interleukin-1
Tumor necrosis factor; Ultrafiltration; Mononuclear cell; High-flux membrane; Endotoxin (Schindler, R. (116) 159)

Monocyte; Macrophage; mRNA (Smith, Jr., M.F. (118) 265)

Thymocyte; Interleukin-6; T lymphocyte; Interleukin-2 (Suda, T. (120) 173)

Bioassay; Interleukin-2; Interleukin-4 (Hopkins, S.J. (120) 271)

Immunofluorescence; Monoclonal antibody (Barkley, D. (120) 277)

ELISA; Cell blot (Gaffney, E.V. (122) 211)

Cytokine; Enzyme immunoassay; Monoclonal antibody; Acetylcholinesterase; Inflammation (Grassi, J. (123) 193)

Interleukin-1α
Interleukin-1β; Immunoassay (Poole, S. (116) 259)

Interleukin-1α, human recombinant
Deamidated human recombinant interleukin-1α; Enzyme immunoassay; Monoclonal antibody (Sunahara, N. (119) 75)

Interleukin-1β
Interleukin-1α; Immunoassay (Poole, S. (116) 259)

Interleukin-1 receptor
Receptor screening; Binding assay (Horuk, R. (119) 255)

Interleukin-1, sheep
Cartilage degradation; Thymocyte activation (Harkiss, G.D. (117) 231)

Interleukin-2
Prostaglandin; Arachidonic acid metabolite (Eskandari, M.K. (118) 85)

Lymphocyte surface marker; Interleukin-2 receptor; Fluorescence-activated cell sorter (Harel-Bellan, A. (119) 127)

Lymphokine-activated killer cell (Colborn, D. (119) 247)

Thymocyte; Interleukin-6; Interleukin-1; T lymphocyte (Suda, T. (120) 173)

Bioassay; Interleukin-1; Interleukin-4 (Hopkins, S.J. (120) 271)

Helper T lymphocyte; Limiting dilution; Allospecificity (Theobald, M. (121) 19)

Lymphokine measurement; In vivo activated lymphocyte; Interleukin-3/colony stimulating factor; Tumor necrosis factor α (Mohler, K.M. (121) 67)

Interleukin-2 receptor complex; Avidin-biotin system; Flow cytometry; ELISA (Taki, S. (122) 33)

Lymphocyte; Quantitation; Secretion; (Bovine); (Human) (Viselli, S.M. (125) 115)

Interleukin-2 receptor
Lymphocyte surface marker; Interleukin-2; Fluorescence-activated cell sorter (Harel-Bellan, A. (119) 127)

Interleukin-2 receptor complex
Interleukin-2; Avidin-biotin system; Flow cytometry; ELISA (Taki, S. (122) 33)

Interleukin-2, soluble and cell-associated human
ELISA, fluorescence sandwich (Kitamura, K. (121) 281)

Interleukin-3
Granulocyte-macrophage colony-stimulating factor; Bone marrow stem cell assay; Chromatography, hydrophobic interaction (Pullman, W.E. (117) 153)

Interleukin-3/colony stimulating factor
Lymphokine measurement; In vivo activated lymphocyte; Interleukin-2; Tumor necrosis factor α (Mohler, K.M. (121) 67)

Interleukin-4
Bioassay; Interleukin-1; Interleukin-2 (Hopkins, S.J. (120) 271)

Interleukin-4, human
Monoclonal antibody; Antiserum; Immunoassay (Chrétien, I. (117) 67)

Interleukin-5 antibody, anti-mouse
High expression vector; Recombinant IL-5, human; Purification (Mita, S. (125) 233)

Interleukin-6
Monoclonal antibody; Hybridoma growth factor; Hybridoma formation (Bazin, R. (116) 245)

Thymocyte; Interleukin-1; T lymphocyte; Interleukin-2 (Suda, T. (120) 173)

Intermediate filament protein
Endogenous peroxidase activity; Immunocytochemistry; Cyclopropanone hydrate; Sodium azide; Propyl-thiouracil (Hittmair, A. (116) 199)

Internalization
Nerve growth factor; Snake venom; Immunoassay, fluorometric, time-resolved; Europium; Pheochromocytoma PC12 (Arumäe, U. (122) 59)

Internal labeling
Monoclonal antibody; Tyrosine hydroxylase; Immunocytochemistry; Substance P; Enkephalin (Elliott, P.J. (123) 141)

Interspecies hybrid
Differentiation antigen; T lymphocyte; Hybridoma; (Guinea pig) (Schäfer, H. (118) 169)

Intestinal mucin
ELISA; Colonic cell line; Cholera toxin (Roumagnac, I. (122) 265)

Intracellular antigen
Electroporation; Lysolecithin; Flow cytometry; Oncogene product; $p21^{ras}$; (Antibody) (Berglund, D.L. (125) 79)

Intracellular immunofluorescence
Flow cytometry; Membrane permeabilization; Leukocyte; Paraformaldehyde; *n*-Octyl-β-D-glucopyranoside (Halldén, G. (124) 103)

Intrasplenic immunization
Inguinal lymph node immunization; Monoclonal antibody; Hybridoma (Hong, T.-H. (120) 151)

Intrinsic association constant
Monoclonal IgM antibody; Airfuge (Kim, Y.D. (120) 9)

In vitro B cell culture
ELISA; IgE; Ultrasensitivity (Kemeny, D.M. (120) 251)

In vitro colony assay
Colony-stimulating factor 1; Sandwich-ELISA; Monoclonal antibody, rat (Lokeshwar, B.L. (123) 123)

In vitro immunization
Monoclonal antibody; Hybridoma (De Boer, M. (121) 253)

Hybridoma, human; Monoclonal antibody; Leucyl-leucine methyl ester; Epstein-Barr virus transformation; Polymerase chain reaction (Borrebaeck, C.A.K. (123) 157)

In vitro priming
Insulin; Immunogenicity; Autoimmunization; HLA; Heteroclitic response (Parkar, B.A. (120) 159)

In vitro production
Monoclonal antibody; Large-scale purification; Chromatography, protein A affinity; Chromatography, anion exchange; Fetal bovine serum. (Jiskoot, W. (124) 143)

In vitro stimulation
Monoclonal antibody; Fusion efficiency; Specific B cell response; Lipid A; Muramyl dipeptide; Immunogenicity (Erich, T. (118) 17)

In vivo activated lymphocyte
Lymphokine measurement; Interleukin-2; Interleukin-3/colony stimulating factor; Tumor necrosis factor α (Mohler, K.M. (121) 67)

Iodonaphthylazide
Membrane protein; Hydrophobic labeling; Lipid bilayer; 3-(Trifluoromethyl)-3-(3′-iodophenyl)diazirine (Vogel, L. (116) 31)

Isoagglutinin
ELISA; ABO, human blood groups; Anti-A antibody, human; Anti-B antibody, human (Buchs, J.-P. (118) 37)

Isoelectric focusing
C2 polymorphism; C2 activation; Silver staining; Lupus erythematosus (Segurado, O.G. (117) 9)

Isolation
Polymorphonuclear leukocyte; Purity; Yield (Eggleton, P. (121) 105)

Isotype
Complement; C4; ELISA (Chrispeels, J. (125) 5)

Isotype switch
Antibody inhibition; Antibody production in vitro; IgG1 production (McHeyzer-Williams, M.G. (119) 9)

IgM; Monoclonal antibody (Beckwith, M. (123) 249)

J

Jacalin-agarose
C1 inhibitor; Complement; Purification (Pilatte, Y. (120) 37)

K

Kinase
Phosphotyrosine; Oncogene; Immunoprecipitation (Kanner, S.B. (120) 115)

Kinetic assay
Cytotoxic lymphocyte activity (Jenski, L.J. (117) 181)

L

LAK cell
Cryopreservation (Schmidt-Wolf, I.G.H. (125) 185)

Large-scale purification
Monoclonal antibody; In vitro production; Chromatography, protein A affinity; Chromatography, anion exchange; Fetal bovine serum. (Jiskoot, W. (124) 143)

Large unilamellar liposome
Complement activity, human; Fluorescence assay (Masaki, T. (123) 19)

Laser densitometry
High molecular weight kininogen; Immunoblotting; Western blotting; Contact activation of plasma proteins (Reddigari, S. (119) 19)

Latex
Diazotized polystyrene; Immunocarrier; Rapid diagnosis; Leptospirosis (Liu, Y.-c. (124) 159)

Latex agglutination
Chorionic gonadotrophin; Pregnancy; Antigen detection (Lim, P.-L. (117) 137)

Particle counting immunoassay; Latex immunoassay; Carcinoembryonic antigen; Non-isotopic immunoassay (Mathieu, F. (120) 65)

Brucella; IgM antibody (Cambiaso, C.L. (122) 169)

Latex immunoassay; C-reactive protein; Non-isotopic immunoassay (Collet-Cassart, D. (125) 137)

Latex immunoassay
IgM detection; Turbidimetry; *Trichinella spiralis* (Lim, P.-L. (117) 267)

Particle counting immunoassay; Latex agglutination; Carcinoembryonic antigen; Non-isotopic immunoassay (Mathieu, F. (120) 65)

Latex agglutination; C-reactive protein; Non-isotopic immunoassay (Collet-Cassart, D. (125) 137)

L cell
Electroinjection; Macrophage; Transformant (Däumler, R. (122) 203)

Lectin-binding capacity of IgG
Monocyte; IgG(Fc) receptor; Anti-RBC IgG antibody; Peanut agglutinin; Concanavalin A (Malaise, M.G. (119) 231)

Legionella pneumophila
Ultrasound; Standing wave; Accoustic radiation force; Agglutination (Jepras, R.I. (120) 201)

Leptospirosis
Diazotized polystyrene; Immunocarrier; Latex; Rapid diagnosis (Liu, Y.-c. (124) 159)

Leucyl-leucine methyl ester
Hybridoma, human; Monoclonal antibody; In vitro immunization; Epstein-Barr virus transformation; Polymerase chain reaction (Borrebaeck, C.A.K. (123) 157)

Leukemia
CD7; ELISA; T cell differentiation antigen (Jung, L.K.L. (116) 137)

Leukemia virus, murine
T cell lymphoma; Virus receptor; Retrovirus; Cell-virus binding assay (O'Neill, H.C. (122) 79)

Leukocyte
Chemotaxis; Mathematical model; Migration assay (Buettner, H.M. (123) 25)

Flow cytometry; Membrane permeabilization; Intracellular immunofluorescence; Paraformaldehyde; *n*-Octyl-β-D-glucopyranoside (Halldén, G. (124) 103)

Leukotrap filter
Separation of human lymphocytes (Longley, R.E. (121) 33)

Leukotriene B_4
Neutrophil; LTB_4; Chemotaxis; Anti-inflammatory agent; Multiwell cap chemotaxis assay (Psychoyos, S. (124) 189)

Ligand leakage
Immunoglobulin capacity; Protein A; Chromatography, affinity (Füglistaller, P. (124) 171)

Light scattering
Natural killer cell; Natural cytotoxicity; Electron microscopy (Vitale, M. (121) 115)

Limiting dilution
Helper T lymphocyte; Interleukin-2; Allospecificity (Theobald, M. (121) 19)

Limiting dilution analysis
Cytotoxic T lymphocyte precursor frequency; Individual HLA class I antigen; (Human) (Zhang, L. (121) 39)

***Limulus* amebocyte lysate method**
Endotoxin; Lipooligosaccharide; Monoclonal antibody; Polymyxin B; *Haemophilus influenzae* type b (Mertsola, J. (122) 219)

Line blot immunoassay
Immunochemical method; Monoclonal antibody; Lipopolysaccharide; Protein conformation; Membrane solubilization (Raoult, D. (125) 57)

Line immunobinding assay (LIBA)
ELISA; Nitrocellulose; Multiple antigen-antibody reactions (Aeppli, R.E. (120) 93)

Linker-specific antibody
Antipeptide antibody; Conjugation method; Cross-linking reagent; Peptide-protein conjugate (Peeters, J.M. (120) 133)

Lipid A
In vitro stimulation; Monoclonal antibody; Fusion efficiency; Specific B cell response; Muramyl dipeptide; Immunogenicity (Erich, T. (118) 17)

Lipid bilayer
Membrane protein; Hydrophobic labeling; Iodonaphthylazide; 3-(Trifluoromethyl)-3-(3′-iodophenyl)diazirine (Vogel, L. (116) 31)

Lipooligosaccharide
Endotoxin; Monoclonal antibody; Polymyxin B; *Haemophilus influenzae* type b; *Limulus* amebocyte lysate method (Mertsola, J. (122) 219)

Lipophilic fluorescent probe
Flow cytometry; Cell sorting; Hybrid cell (Tertov, V.V. (118) 139)

Lipopolysaccharide
ELISA; Endotoxin detection; *Escherichia coli* K12 recombinant DNA protein (Peborde, J.P. (120) 259)

Pseudomonas aeruginosa; Immune complex; Cystic fibrosis; Flagella; Immunoblotting (Kronborg, G. (122) 51)

Chlamydia; Oxidation; Enzyme immunoassay (Ossewaarde, J.M. (123) 293)

Immunochemical method; Monoclonal antibody; Protein conformation; Membrane solubilization; Line blot immunoassay (Raoult, D. (125) 57)

Liposome
Flow cytometry; Electron microscopy; Forward laser light scatter (Childers, N.K. (119) 135)

Immunotherapy; Allergen; House dust mite; Immunoblotting (McWilliam, A.S. (121) 53)

Macrophage elimination 'in vivo'; Dichloromethylene diphosphonate; Macrophage function (Van Rooijen, N. (124) 1)

B lymphocyte; Liposome-cellular complex; (Antibody) (Golubev, A. (125) 29)

Liposome-cellular complex
B lymphocyte; Liposome; (Antibody) (Golubev, A. (125) 29)

Liposome immune lysis assay
Sandwich assay; Enzyme immunoassay; α_2 Plasmin inhibitor; α_2 Plasmin inhibitor-plasmin complex (Hosoda, K. (121) 121)

Long-term storage
Hybridoma; Bovine milk; Milk derivative (Derouiche, F. (125) 13)

LTB_4
Neutrophil; Leukotriene B_4; Chemotaxis; Anti-inflammatory agent; Multiwell cap chemotaxis assay (Psychoyos, S. (124) 189)

Lupus erythematosus
C2 polymorphism; C2 activation; Isoelectric focusing; Silver staining (Segurado, O.G. (117) 9)

Luteinizing hormone-releasing hormone
Triton X-100; Radioimmunoassay (Ezan, E. (122) 291)

Lymphocyte
Calcium; Flow cytometry; Indo-1 (Griffioen, A.W. (120) 23)

Immunoselection; Monoclonal antibody (Pilling, D. (122) 235)

Interleukin-2; Quantitation; Secretion; (Bovine); (Human) (Viselli, S.M. (125) 115)

Lymphocyte, activated
Staining, double; Cell surface phenotype; Tetrazolium dye (Schauer, U. (116) 221)

Lymphocyte, human
Mitogenic plant lectin; Flow cytometry, dual color; Monoclonal antibody (Serke, S. (121) 231)

Lymphocyte migration
Hoechst 33342; Lymphocyte motility (Loeffler, D. (119) 95)

Fluorescein isothiocyanate; Immunohistochemistry; Double staining; Spleen; Cryostat section (Willführ, K.U. (120) 29)

Lymphocyte motility
Hoechst 33342; Lymphocyte migration (Loeffler, D. (119) 95)

Lymphocyte subset
Monoclonal antibody; Fluorescence; Flow cytometry; Activated T cell (Ashmore, L.M. (118) 209)

Lymphocyte surface marker
Interleukin-2 receptor; Interleukin-2; Fluorescence-activated cell sorter (Harel-Bellan, A. (119) 127)

Lymphocyte transformation test
Mycobacterial antigen; (Wildfowl) (Cromie, R.L. (122) 195)

Lymphokine
Cytokine; T cell; Monoclonal antibody (Mosmann, T.R. (116) 151)

Monokine; Bioassay; Unitage; Calculation; Data analysis (Hewlett, G. (117) 243)

T cell clone, rat; Experimental autoimmune encephalomyelitis; Encephalitogenic; Interferon-γ (Sedgwick, J.D. (121) 185)

Lymphokine-activated killer cell
Interleukin-2 (Colborn, D. (119) 247)

Lymphokine-activated killer cell activity
Cytotoxicity assay; Time-resolved fluorescence (Volgmann, T. (119) 45)

Lymphokine measurement
In vivo activated lymphocyte; Interleukin-2; Interleukin-3/colony stimulating factor; Tumor necrosis factor α (Mohler, K.M. (121) 67)

Lymphotoxin
Tumor necrosis factor; Bioassay; Immunoassay (Meager, A. (116) 1)

Lysolecithin
Electroporation; Flow cytometry; Oncogene product; $p21^{ras}$; Intracellular antigen; (Antibody) (Berglund, D.L. (125) 79)

M

Mac-1 antigen
Macrophage; Cell surface antigen; Ia antigen; Anchored cell analysis station 470 (Hogan, M.M. (123) 9)

Macrophage
Percoll; Nycodenz; Monocyte; Differentiation (Davies, D.E. (118) 9)

Interleukin-1; Monocyte; mRNA (Smith, Jr., M.F. (118) 265)

Colony-stimulating factor 1; Culture (Sechler, J.M.G. (119) 277)

Electroinjection; L cell; Transformant (Däumler, R. (122) 203)

Cell surface antigen; Ia antigen; Mac-1 antigen; Anchored cell analysis station 470 (Hogan, M.M. (123) 9)

Phagocytosis; Spectrofluorometry; Fluorescein isothiocyanate (Ragsdale, R.L. (123) 259)

ι-Carrageenan, desulfated; (Mice) (Ishizaka, S. (124) 17)

Macrophage elimination 'in vivo'
Liposome; Dichloromethylene diphosphonate; Macrophage function (Van Rooijen, N. (124) 1)

Macrophage function
Liposome; Macrophage elimination 'in vivo'; Dichloromethylene diphosphonate (Van Rooijen, N. (124) 1)

Magnetic cell separation
Peripheral B lymphocyte, human; Monoclonal antibody; Anti-CD20; Flow cytometry; Mitogen stimulation (Abts, H. (125) 19)

Magnetic microsphere
Cytotrophoblast; Placenta (Douglas, G.C. (119) 259)

Hybridoma technology; Monoclonal antibody; Cell sorting (Horton, J.K. (124) 225)

Magnetic particle
Cell separation; Microsphere (Janssen, W.E. (121) 289)

Magnetizable particle
Separation fluoroimmunoassay; Solid-phase activation (Al-Abdulla, I.H. (122) 253)

Major histocompatibility complex class II antigen
bio-ELISA; Cytokine; COLO 205 cell; HLA-DR antigen; Interferon-γ (Gibson, U.E.M. (125) 105)

Malaria
ELISA; Fusion protein; *Plasmodium falciparum* (Früh, K. (122) 25)

Multiple antigen peptide; Solid-phase immunoassay; Synthetic peptide antigen; Radioimmunoassay; ELISA; Circumsporozoite protein (Tam, J.P. (124) 53)

Interferon-γ; ELISA; Monoclonal antibody; Serum sample (Andersson, G. (125) 89)

Malaria antibody
Dual expression system; Staphylococcal protein A; Streptococcal protein G; Protein purification (Ståhl, S. (124) 43)

Malarial peptide
Carrier protein; Peptide conjugate; Hetero-bifunctional reagent; Coupling chemistry (Jones, G.L. (123) 211)

Mammary tumor, mouse
Monoclonal anti-idiotype antibody; Mammary tumor virus, mouse; Red blood cell, mouse (Wei, W.-Z. (122) 227)

Mammary tumor virus, mouse
Monoclonal anti-idiotype antibody; Mammary tumor, mouse; Red blood cell, mouse (Wei, W.-Z. (122) 227)

Mast cell
Mucosal mast cell; IgE (Hickling, K.C. (116) 19)

Mast cell-deficient mouse
Monoclonal antibody; Hybridoma; IgE, rat (Rup, B.J. (122) 137)

Mathematical model
Chemotaxis; Leukocyte; Migration assay (Buettner, H.M. (123) 25)

Melittin
Epitope analysis; Peptide` inhibitor; Biotinylation (Von Grünigen, R. (125) 143)

Membrane permeabilization
Flow cytometry; Leukocyte; Intracellular immunofluorescence; Paraformaldehyde; *n*-Octyl-β-D-glucopyranoside (Halldén, G. (124) 103)

Membrane protein
Hydrophobic labeling; Iodonaphthylazide; Lipid bilayer; 3-(Trifluoromethyl)-3-(3′-iodophenyl)diazirine (Vogel, L. (116) 31)

Immunoslot blot; Quantitative immunoassay; EGF receptor; Dexamethasone (Von Knebel Doeberitz, M. (122) 259)

GP-2; ELISA; Secretion granule; Pancreas (Leblond, F.A. (124) 71)

Membrane solubilization
Immunochemical method; Monoclonal antibody; Lipopolysaccharide; Protein conformation; Line blot immunoassay (Raoult, D. (125) 57)

Meningococcus
Serum opsonin; Phagocytosis; Flow cytometry (Sjursen, H. (116) 235)

Metallic radioisotope
Monoclonal antibody; Chelator; Chelator-linked antibody (Gillette, R.W. (124) 277)

Methamphetamine
Monoclonal antibody; Immunoassay (Usagawa, T. (119) 111)

[^{35}S]methionine
Microcytotoxicity assay; Cytotoxic T lymphocyte (Stedman, K.E. (119) 291)

5-Methyl-2′-deoxycytidine
DNA methylation; Fluoroimmunoassay (Rasi, S. (117) 33)

Microcytotoxicity assay
[^{35}S]methionine; Cytotoxic T lymphocyte (Stedman, K.E. (119) 291)

Microsphere
Flow cytometry; Immunofluorescence assay; *Candida albicans*; Enzyme immunoassay (McHugh, T.M. (116) 213)

Cell separation; Magnetic particle (Janssen, W.E. (121) 289)

Migration assay
Chemotaxis; Leukocyte; Mathematical model (Buettner, H.M. (123) 25)

Milk derivative
Hybridoma; Long-term storage; Bovine milk (Derouiche, F. (125) 13)

Miniaturized method
Immunoglobulin allotyping; Gm allotype frequency (Young, N.T. (122) 143)

Mitogen
Protein G; Immunoglobulin-binding protein; *Streptococcus*; Immunoassay (Faulmann, E.L. (123) 269)

Mitogenic plant lectin
Lymphocyte, human; Flow cytometry, dual color; Monoclonal antibody (Serke, S. (121) 231)

Mitogen stimulation
Magnetic cell separation; Peripheral B lymphocyte, human; Monoclonal antibody; Anti-CD20; Flow cytometry (Abts, H. (125) 19)

Mixed hemadsorption assay
Anti-idiotypic antibody; Anti-tumor antibody; ELISA; Radioimmunoassay; (Cancer patient) (Wettendorff, M. (116) 105)

Monoclonal antibody
Enzyme immunoassay; Cell surface antigen (Tumosa, N. (116) 59)

Hybridoma; Serum-free medium (Schneider, Y.-J. (116) 65)

Anti-G3M T; GM allotyping (Kimura, A. (116) 99)

Lymphokine; Cytokine; T cell (Mosmann, T.R. (116) 151)

Hybridoma growth factor; Hybridoma formation; Interleukin-6 (Bazin, R. (116) 245)

Antibody affinity; Enzyme immunoinhibition; Graphical determination; Alkaline phosphatase; Enzyme characterization (Ehle, H. (117) 17)

Epitope specificity; Antibody affinity; Avidin-biotin system; Solution-phase radioimmunoassay (Krüger, U. (117) 25)

Immune complex; C3 neoepitope; Anti-immunoglobulin antibody; Complement; Enzyme immunoassay (Garred, P. (117) 59)

Interleukin-4, human; Antiserum; Immunoassay (Chrétien, I. (117) 67)

Protein A; Enzyme immunoassay; Chromatography, affinity (Bloom, J.W. (117) 83)

Hemopoiesis, murine; Immunoassay; Flow cytometry (Pallavicini, M.G. (117) 99)

Glycoalbumin; Diabetes (Cohen, M.P. (117) 121)

Avidin-biotin; ELISA; Immunoassay; Immunohistology (Cassano, W.F. (117) 169)

Two-site immunoassay; Assay specificity; Chorionic gonadotrophin (Boscato, L.M. (117) 221)

In vitro stimulation; Fusion efficiency; Specific B cell response; Lipid A; Muramyl dipeptide; Immunogenicity (Erich, T. (118) 17)

Cell culture; Hybridoma (Nakamura, Y. (118) 31)

Tumor marker; Polyclonal antibody; Radioimmunoassay; Immunoradiometric assay (Kardana, A. (118) 53)

Anti-idiotypic antibody; Double-diffusion; Silver staining (Rochu, D. (118) 67)

Atrial natriuretic factor; Radioimmunoassay (Prowse, C. (118) 91)

IgM, squirrel monkey; Solid-phase immunoradiometric assay; Serum IgM level; Immunoblotting (Fandeur, T. (118) 109)

Epitope characterization; Ribosomal protein; Synthetic peptide; Protein modification (Syu, W.-J. (118) 153)

IgG subclass, guinea pig; Herpes simplex virus immunity (McBride, B.W. (118) 193)

Fluorescence; Lymphocyte subset; Flow cytometry; Activated T cell (Ashmore, L.M. (118) 209)

Allergen; *Dermatophagoides* spp.; Immunoassay (Luczynska, C.M. (118) 227)

Endothelin; Sandwich-enzyme immunoassay; Plasma level (Suzuki, N. (118) 245)

Fc receptor for IgG; Flow cytometry (Vance, B.A. (118) 287)

Hybridoma screening; ELISA; Interferon-α (Overall, M.L. (119) 27)

Insulin; Enzyme immunoassay; Alkaline phosphatase; Phenolphthaleine monophosphate (Storch, M.-J. (119) 53)

Interleukin-1α, human recombinant; Deamidated human recombinant interleukin-1α; Enzyme immunoassay (Sunahara, N. (119) 75)

Methamphetamine; Immunoassay (Usagawa, T. (119) 111)

T cell leukemia virus type I, human; Immune complex; ELISA; T cell leukemia, adult (Ishibashi, K. (119) 217)

Ascitic fluid; (BALB/c × Swiss-Webster)F1; (BALB/c × MF1)F1; (Mouse) (Stewart, F. (119) 269)

Gluten; Gliadin; Prolamin; Frazer's Fraction III; Celiac disease (Ellis, H.J. (120) 17)

Papain; Bromelain; Radioimmunodetection (Milenic, D.E. (120) 71)

Intrasplenic immunization; Inguinal lymph node immunization; Hybridoma (Hong, T.-H. (120) 151)

Immunomagnetic isolation; Thyroglobulin; Antigen-specific B cell; B lymphocyte; Hybridoma (Ossendorp, F.A. (120) 191)

Immunoadsorption; Cleavable cross-linker; Cell separation procedure; Bone marrow transplantation (Thomas, T.E. (120) 221)

C3b; C3b(i)-Sepharose (Tosic, L. (120) 241)

Immunofluorescence; Interleukin-1 (Barkley, D. (120) 277)

Antigen capture immunoassay; Cytomegalovirus (Van der Voort, L.H.M. (121) 95)

Immunologic adjuvant; Class antibody; Antibody affinity; Antibody formation; Antigenic determinant; Competitive binding; Protein denaturation (Kenney, J.S. (121) 157)

OKT3; Flow cytometry; ELISA; Transplantation (Lim, V.L. (121) 197)

Mitogenic plant lectin; Lymphocyte, human; Flow cytometry, dual color (Serke, S. (121) 231)

Heterohybridoma; (Sheep) (Flynn, J.N. (121) 237)

In vitro immunization; Hybridoma (De Boer, M. (121) 253)

C3a-desArg, human; Neoantigen; ELISA; Adult respiratory distress syndrome (Zilow, G. (121) 261)

Nomenclature; Designation; Polyclonal antibody (Baumgarten, H. (122) 1)

Hybridoma; IgE, rat; Mast cell-deficient mouse (Rup, B.J. (122) 137)

Blocking agent; Double immunoenzyme labeling; (Fetal calf serum); (Mouse) (Lalor, P.A. (122) 149)

Endotoxin; Lipooligosaccharide; Polymyxin B; *Haemophilus influenzae* type b; *Limulus* amebocyte lysate method (Mertsola, J. (122) 219)

Lymphocyte; Immunoselection (Pilling, D. (122) 235)

Glycated albumin; ELISA; Diabetes (Cohen, M.P. (122) 279)

Recombinant interleukin-1β, human; Affinity purification (Bigio, M. (123) 1)

Sp2/0 ascites; Cell fusion; Hybridoma (Stewart, S.S. (123) 45)

Anti-adenosine; Anti-guanosine; Single-stranded DNA; ELISA (Traincard, F. (123) 83)

Transfectants murine; Surface molecule; Fluorescence activated cell sorter; Immunorosette (Peruzzi, L. (123) 113)

Tyrosine hydroxylase; Internal labeling; Immunocytochemistry; Substance P; Enkephalin (Elliott, P.J. (123) 141)

Hybridoma, human; Leucyl-leucine methyl ester; In vitro immunization; Epstein-Barr virus transformation; Polymerase chain reaction (Borrebaeck, C.A.K. (123) 157)

Interleukin-1; Cytokine; Enzyme immunoassay; Acetylcholinesterase; Inflammation (Grassi, J. (123) 193)

Hybridoma screening strategy; Immunoblotting; Platelet protein (Perutelli, P. (123) 227)

Isotype switch; IgM (Beckwith, M. (123) 249)

Negative selection; Paramagnetic particle; B cell (Hebell, T. (123) 283)

α-Atrial natriuretic polypeptide, human; α-Atrial natriuretic polypeptide, rat; Enzyme immunoassay, sandwich (Watanabe, H. (124) 25)

In vitro production; Large-scale purification; Chromatography, protein A affinity; Chromatography, anion exchange; Fetal bovine serum. (Jiskoot, W. (124) 143)

Mycoplasma pneumoniae; Cell-contaminating mycoplasma; Antibody probe (Douma, R. (124) 197)

Enzyme immunoassay; N-*myc* protein; Western blotting (Ikegaki, N. (124) 205)

Hybridoma technology; Cell sorting; Magnetic microsphere (Horton, J.K. (124) 225)

Enzyme immunoassay competitive; Precipitin reaction; *Streptococcus*, oral; Mutans group (Ota, F. (124) 259)

Chelator; Chelator-linked antibody; Metallic radioisotope (Gillette, R.W. (124) 277)

Magnetic cell separation; Peripheral B lymphocyte, human; Anti-CD20; Flow cytometry; Mitogen stimulation (Abts, H. (125) 19)

Immunochemical method; Lipopolysaccharide; Protein conformation; Membrane solubilization; Line blot immunoassay (Raoult, D. (125) 57)

Interferon-γ; ELISA; Serum sample; Malaria (Andersson, G. (125) 89)

Affinity constant; Cell surface antigen; ELISA; Flow cytometry (Bator, J.M. (125) 167)

Immunofluorescence; Viral antigen; Hybridoma (Onisk, D.V. (125) 203)

Apolipoprotein A-I; Epitope; Apolipoprotein A-I determination; ELISA, non-competitive (Dubois, D.Y. (125) 215)

Creatine kinase; Epitope mapping; Native conformation (Man, N.t. (125) 251)

Monoclonal antibody assay, human
Anti-idiotypic antibody; Immunoradiometric assay (Khazaeli, M.B. (117) 175)

Monoclonal antibody, commercial
Immunohistochemistry; Double staining; Triple staining; Anti-fluorescein isothiocyanate (Van der Loos, C.M. (117) 45)

Monoclonal antibody, human
ELISA, anti-HIV-1; HIV; Competition assay (Döpel, S.-H. (116) 229)

Human immunodeficiency virus; Immuno-dot blot; ELISA; Nitrocellulose paper (Xu, J.-Y. (120) 179)

Neoplasm antigen; Surface antigen; Neoplasm; Immunoenzyme technique; Colorectal carcinoma (Tuson, J.R.D. (121) 47)

Monoclonal antibody, murine
Papain digestion; $F(ab')_2$; Anti-papain IgG (Boguslawski, S.J. (120) 51)

Monoclonal antibody production
Hybridoma, rat-rat; Ascites production; Pristane; Incomplete Freund's adjuvant (Kints, J.-P. (119) 241)

Hybridoma; Secretion kinetics; Surface immunofluorescence (Meilhoc, E. (121) 167)

Monoclonal antibody purification
Immunoscintigraphy; Acid phosphatase; Prostatic cancer (Hakalahti, L. (117) 131)

Monoclonal antibody, radiolabeled
Immunoreactivity; Chromatography, affinity (Rosebrough, S.F. (116) 123)

Monoclonal antibody, rat
Colony-stimulating factor 1; In vitro colony assay; Sandwich-ELISA (Lokeshwar, B.L. (123) 123)

Monoclonal anti-FITC
ELISA; Biotin; Streptavidin (Harmer, I.J. (122) 115)

Monoclonal anti-idiotype antibody
Mammary tumor, mouse; Mammary tumor virus, mouse; Red blood cell, mouse (Wei, W.-Z. (122) 227)

ELISA, inhibition; Hepatitis B surface antigen (Kim, W.B. (125) 273)

Monoclonal IgM antibody
Intrinsic association constant; Airfuge (Kim, Y.D. (120) 9)

Monoclonal mouse IgE
IgE, rabbit anti-mouse; Idiotypic activity; Allotypic activity; IgE light chain; Western blotting (Savelkoul, H.F.J. (116) 265)

Monocyte
Percoll; Nycodenz; Macrophage; Differentiation (Davies, D.E. (118) 9)

Polymorphonuclear leukocyte; Platelet; Adhesion; Myeloperoxidase; ELISA plate (Bath, P.M.W. (118) 59)

Interleukin-1; Macrophage; mRNA (Smith, Jr., M.F. (118) 265)

IgG(Fc) receptor; Anti-RBC IgG antibody; Lectin-binding capacity of IgG; Peanut agglutinin; Concanavalin A (Malaise, M.G. (119) 231)

Monocyte separation; Flow cytometry (Jones, B.M. (125) 41)

Monocyte isolation
Phagocytosis; Chemotaxis (Islam, L.N. (121) 75)

Monocyte separation
Monocyte; Flow cytometry (Jones, B.M. (125) 41)

Monokine
Lymphokine; Bioassay; Unitage; Calculation; Data analysis (Hewlett, G. (117) 243)

Mononuclear cell
Interleukin-1; Tumor necrosis factor; Ultrafiltration; High-flux membrane; Endotoxin (Schindler, R. (116) 159)

Mucosal immunity
IgA; IgA1 protease; Immunoassay (Brown, T.A. (123) 241)

Mucosal mast cell
Mast cell; IgE (Hickling, K.C. (116) 19)

Multiparameter
Flow cytometry; Triple laser; Immunofluorescence; Glutathione (Woronicz, J.D. (120) 291)

Multiple antigen-antibody reactions
Line immunobinding assay (LIBA); ELISA; Nitrocellulose (Aeppli, R.E. (120) 93)

Multiple antigen peptide
Solid-phase immunoassay; Synthetic peptide antigen; Radioimmunoassay; ELISA; Circumsporozoite protein; Malaria (Tam, J.P. (124) 53)

Multiwell cap chemotaxis assay
Neutrophil; Leukotriene B_4; LTB_4; Chemotaxis; Anti-inflammatory agent (Psychoyos, S. (124) 189)

Muramyl dipeptide
In vitro stimulation; Monoclonal antibody; Fusion efficiency; Specific B cell response; Lipid A; Immunogenicity (Erich, T. (118) 17)

Mutans group
Enzyme immunoassay competitive; Precipitin reaction; Monoclonal antibody; *Streptococcus*, oral (Ota, F. (124) 259)

Mycobacterial antigen
Suppressor cell; Antigen specificity; (Guinea pig) (Hasløv, K. (120) 85)

Lymphocyte transformation test; (Wildfowl) (Cromie, R.L. (122) 195)

Mycoplasma pneumoniae
Monoclonal antibody; Cell-contaminating mycoplasma; Antibody probe (Douma, R. (124) 197)

Myeloperoxidase
Monocyte; Polymorphonuclear leukocyte; Platelet; Adhesion; ELISA plate (Bath, P.M.W. (118) 59)

N

Nanoparticle
Enzyme; Conjugate; Immunoassay; (Antibody) (Nilsson, K.G.I. (122) 273)

Nasal immunity
Nasal lymphocyte; (Nose) (Reuman, P.D. (125) 49)

Nasal lymphocyte
Nasal immunity; (Nose) (Reuman, P.D. (125) 49)

Native antibody
Antibody immobilization; Denatured antibody; Adsorption behavior; Silica substrate (Lin, J.N. (125) 67)

Native conformation
Creatine kinase; Monoclonal antibody; Epitope mapping (Man, N.t. (125) 251)

Natural cytotoxicity
Natural killer cell; Light scattering; Electron microscopy (Vitale, M. (121) 115)

Natural killer cell
Characterization; Conjugate frequency; Effector-target cell conjugation (Garcia-Peñarrubia, P. (118) 199)

Natural cytotoxicity; Light scattering; Electron microscopy (Vitale, M. (121) 115)

Fluorochrome-labeled target; Cytotoxicity assay (Wierda, W.G. (122) 15)

Effector-target affinity; Conjugate frequency (Garcia-Peñarrubia, P. (122) 177)

Negative selection
Monoclonal antibody; Paramagnetic particle; B cell (Hebell, T. (123) 283)

Neoantigen
C3a-desArg, human; Monoclonal antibody; ELISA; Adult respiratory distress syndrome (Zilow, G. (121) 261)

Neomycin resistant
Hypoxanthine aminopterin thymidine-sensitive mutant; Retroviral mediated gene transfer (De Lau, W.B.M. (117) 1)

Neoplasm
Monoclonal antibody, human; Neoplasm antigen; Surface antigen; Immunoenzyme technique; Colorectal carcinoma (Tuson, J.R.D. (121) 47)

Neoplasm antigen
Monoclonal antibody, human; Surface antigen; Neoplasm; Immunoenzyme technique; Colorectal carcinoma (Tuson, J.R.D. (121) 47)

Nerve growth factor
Snake venom; Immunoassay, fluorometric, time-resolved; Europium; Pheochromocytoma PC12; Internalization (Arumäe, U. (122) 59)

Neutrophil
Acridine orange; Phagocytosis; *Staphylococcus aureus*; Phagocyte deficiency, functional (Bellinati-Pires, R. (119) 189)

Leukotriene B_4; LTB_4; Chemotaxis; Anti-inflammatory agent; Multiwell cap chemotaxis assay (Psychoyos, S. (124) 189)

Sphingosine; Oxygen-independent antimicrobial activity (Stinavage, P. (124) 267)

Neutrophil adherence
^{51}Chromium; Glass bead (Kinoshita, Y. (124) 29)

NH_4Cl lysing
Hypotonic; FACS; Absolute leukocyte number (Terstappen, L.W.M.M. (123) 103)

Nitrocellulose
Line immunobinding assay (LIBA); ELISA; Multiple antigen-antibody reactions (Aeppli, R.E. (120) 93)

Nitrocellulose paper
Human immunodeficiency virus; Immuno-dot blot; ELISA; Monoclonal antibody, human (Xu, J.-Y. (120) 179)

N-*myc* protein
Enzyme immunoassay; Monoclonal antibody; Western blotting (Ikegaki, N. (124) 205)

Nomenclature
Designation; Monoclonal antibody; Polyclonal antibody (Baumgarten, H. (122) 1)

Non-isotopic immunoassay
Particle counting immunoassay; Latex immunoassay; Latex agglutination; Carcinoembryonic antigen (Mathieu, F. (120) 65)

Latex immunoassay; Latex agglutination; C-reactive protein (Collet-Cassart, D. (125) 137)

Non-specific binding
Polymorphonuclear leukocyte; Cationic antimicrobial protein; ELISA (Pereira, H.A. (117) 115)

ELISA; Immunobinding; Immunoblotting; Tween 20 (Mohammad, K. (117) 141)

Nuclear antigen
Countercurrent immunoelectrophoresis; Autoantibody (Collins, R.J. (116) 53)

Poly(ADP-ribose); Autoantibody; Dot-blot; Immunobinding (Prasad, S. (116) 79)

Nycodenz
Percoll; Monocyte; Macrophage; Differentiation (Davies, D.E. (118) 9)

O

***n*-Octyl-β-D-glucopyranoside**
Flow cytometry; Membrane permeabilization; Leukocyte; Intracellular immunofluorescence; Paraformaldehyde (Halldén, G. (124) 103)

OKT3
Monoclonal antibody; Flow cytometry; ELISA; Transplantation (Lim, V.L. (121) 197)

Oligoclonal band
Affinity; Specific IgG (Luxton, R.W. (121) 269)

Oncogene
Phosphotyrosine; Kinase; Immunoprecipitation (Kanner, S.B. (120) 115)

Oncogene product
Electroporation; Lysolecithin; Flow cytometry; $p21^{ras}$; Intracellular antigen; (Antibody) (Berglund, D.L. (125) 79)

Opsonization
Phagocytosis; Aggregation; Turbidimetry (Kuypers, T.W. (124) 85)

Optical technique
Immunoassay; Antibody affinity; Antibody concentration; Surface plasmon (Mayo, C.S. (120) 105)

Oxidation
Chlamydia; Lipopolysaccharide; Enzyme immunoassay (Ossewaarde, J.M. (123) 293)

Oxygen-independent antimicrobial activity
Sphingosine; Neutrophil (Stinavage, P. (124) 267)

P

$p21^{ras}$
Electroporation; Lysolecithin; Flow cytometry; Oncogene product; Intracellular antigen; (Antibody) (Berglund, D.L. (125) 79)

PAGE
Complement activation; Factor B; Immunoblotting (Doran, M. (118) 237)

Palmitate-derivatized antibody
Surrogate receptor; Cell-cell interaction (Colsky, A.S. (124) 179)

Pancreas
GP-2; ELISA; Membrane protein; Secretion granule (Leblond, F.A. (124) 71)

Pancreatic cancer antigen
SPan-1; Avidin-biotin; Comparison of immunoassays (Ho, J.J.L. (125) 97)

Panning
Covalent binding; T cell subset (Larsson, P.H. (116) 293)

Basophil purification, human; Percoll; Anti-IgE (Lett-Brown, M.A. (117) 163)

Papain
Monoclonal antibody; Bromelain; Radioimmunodetection (Milenic, D.E. (120) 71)

Papain digestion
Monoclonal antibody, murine; $F(ab')_2$; Anti-papain IgG (Boguslawski, S.J. (120) 51)

Papillomavirus typing, human
Hybridization, in situ; Biotinylated DNA probe; Carcinoma cell line, human (Guérin-Reverchon, I. (123) 167)

Paraformaldehyde
Flow cytometry; Membrane permeabilization; Leukocyte; Intracellular immunofluorescence; *n*-Octyl-β-D-glucopyranoside (Halldén, G. (124) 103)

Paramagnetic particle
Negative selection; Monoclonal antibody; B cell (Hebell, T. (123) 283)

Particle concentration fluorescence immunoassay
Fluorescence immunoassay; Viral antibody; Theiler's murine encephalomyelitis virus (Peterson, J.D. (119) 83)

Particle counting immunoassay
Latex immunoassay; Latex agglutination; Carcinoembryonic antigen; Non-isotopic immunoassay (Mathieu, F. (120) 65)

Peanut agglutinin
Monocyte; IgG(Fc) receptor; Anti-RBC IgG antibody; Lectin-binding capacity of IgG; Concanavalin A (Malaise, M.G. (119) 231)

Peptide antigen
Peptidyl-resin; Anti-peptide antibody (Fischer, P.M. (118) 119)

Peptide conjugate
Malarial peptide; Carrier protein; Hetero-bifunctional reagent; Coupling chemistry (Jones, G.L. (123) 211)

Peptide inhibitor
Epitope analysis; Biotinylation; Melittin (Von Grünigen, R. (125) 143)

Peptide-protein conjugate
Antipeptide antibody; Conjugation method; Cross-linking reagent; Linker-specific antibody (Peeters, J.M. (120) 133)

Peptide-specific antibody, rabbit, mouse, human
ELISA; HLA molecule (Bouillot, M. (116) 189)

Peptidyl-resin
Peptide antigen; Anti-peptide antibody (Fischer, P.M. (118) 119)

Percoll
Basophil purification, human; Panning; Anti-IgE (Lett-Brown, M.A. (117) 163)

Nycodenz; Monocyte; Macrophage; Differentiation (Davies, D.E. (118) 9)

Perforin
Cytolytic T lymphocyte; Granule; Subcellular fractionation; Serine esterase; Pore-forming protein; Hemolysis (Persechini, P.M. (124) 7)

Peripheral B lymphocyte, human
Magnetic cell separation; Monoclonal antibody; Anti-CD20; Flow cytometry; Mitogen stimulation (Abts, H. (125) 19)

Phagocyte deficiency, functional
Acridine orange; Neutrophil; Phagocytosis; *Staphylococcus aureus* (Bellinati-Pires, R. (119) 189)

Phagocytosis
Serum opsonin; Meningococcus; Flow cytometry (Sjursen, H. (116) 235)

Polymorphonuclear leukocyte; Hydrogen peroxide production; Flow cytometry (Hasui, M. (117) 53)

Acridine orange; Neutrophil; *Staphylococcus aureus*; Phagocyte deficiency, functional (Bellinati-Pires, R. (119) 189)

Monocyte isolation; Chemotaxis (Islam, L.N. (121) 75)

Flow cytometry; *Staphylococcus aureus* (Cantinieaux, B. (121) 203)

Macrophage; Spectrofluorometry; Fluorescein isothiocyanate (Ragsdale, R.L. (123) 259)

Opsonization; Aggregation; Turbidimetry (Kuypers, T.W. (124) 85)

Granulocyte; Flow cytometry (Buschmann, H. (124) 231)

Phenolphthaleine monophosphate
Insulin; Monoclonal antibody; Enzyme immunoassay; Alkaline phosphatase (Storch, M.-J. (119) 53)

Phenotypic marker
Dual staining; Cell cycle analysis; Saponin; Flow cytometry (Rigg, K.M. (123) 177)

Phenotypic reversion
Pseudorabies; Glycoprotein X; ELISA; Bioengineered vaccine (Eaton, L.C. (118) 125)

Phenylalanine-lysine copolymer
Solid-phase immunoassay; Anti-peptide antibody; Covalent immobilization (Hobbs, R.N. (117) 257)

Pheochromocytoma PC12
Nerve growth factor; Snake venom; Immunoassay, fluorometric, time-resolved; Europium; Internalization (Arumäe, U. (122) 59)

Phosphatidylserine
Immunocytochemistry; Platelet; (Antibody) (Maneta-Peyret, L. (122) 155)

Phospholipase A_2
Quantification; ELISA; Bee venom allergy (Rieben, R. (119) 1)

Phosphoserine
Radioimmunoassay; Phosphotyrosine; Phosphothreonine; *N*-Succinylphosphoamino acid; Serologic specificity (Levine, L. (124) 239)

Phosphothreonine
Radioimmunoassay; Phosphotyrosine; Phosphoserine; *N*-Succinylphosphoamino acid; Serologic specificity (Levine, L. (124) 239)

Phosphotyrosine
Kinase; Oncogene; Immunoprecipitation (Kanner, S.B. (120) 115)

Radioimmunoassay; Phosphothreonine; Phosphoserine; *N*-Succinylphosphoamino acid; Serologic specificity (Levine, L. (124) 239)

Photochemical cross-linking
Cyclosporine; Cyclosporine antibody; Cyclosporine level; Transplantation; Rejection; Cyclosporine monitoring (Cacalano, N.A. (118) 257)

Phycobiliprotein
Allophycocyanin; Flow cytometry; Immunofluorescence; Receptor (Jung, T.M. (121) 9)

PKH-1
Cell-mediated cytotoxicity; Flow cytometry; Fluorescent assay (Slezak, S.E. (117) 205)

Placenta
Cytotrophoblast; Magnetic microsphere (Douglas, G.C. (119) 259)

Plasma level
Endothelin; Sandwich-enzyme immunoassay; Monoclonal antibody (Suzuki, N. (118) 245)

α_2 Plasmin inhibitor
Liposome immune lysis assay; Sandwich assay; Enzyme immunoassay; α_2 Plasmin inhibitor-plasmin complex (Hosoda, K. (121) 121)

α_2 Plasmin inhibitor-plasmin complex
Liposome immune lysis assay; Sandwich assay; Enzyme immunoassay; α_2 Plasmin inhibitor (Hosoda, K. (121) 121)

Plasmodium falciparum
T lymphocyte clone; Expression library; Immunoblotting (Guttinger, M. (121) 225)

Malaria; ELISA; Fusion protein (Früh, K. (122) 25)

Platelet
Monocyte; Polymorphonuclear leukocyte; Adhesion; Myeloperoxidase; ELISA plate (Bath, P.M.W. (118) 59)

Phosphatidylserine; Immunocytochemistry; (Antibody) (Maneta-Peyret, L. (122) 155)

Platelet antibody-secreting cell
ELISA-plaque assay (Uchiyama, H. (117) 199)

Platelet protein
Hybridoma screening strategy; Immunoblotting; Monoclonal antibody (Perutelli, P. (123) 227)

Pneumococcal antibody
ELISA; FAST-ELISA; Radioimmunoassay (Boctor, F.N. (120) 167)

Poly(acrylamide)
Hydrophilic solid support; Solid-phase immunoassay; Ultrasound; Antigen concentration (Tarcha, P.J. (125) 243)

Poly(ADP-ribose)
Nuclear antigen; Autoantibody; Dot-blot; Immunobinding (Prasad, S. (116) 79)

Polycarbonate
Dip stick assay; Calf immunity; Brucellosis; ELISA (Penney, C.L. (123) 185)

Polyclonal antibody
Tumor marker; Monoclonal antibody; Radioimmunoassay; Immunoradiometric assay (Kardana, A. (118) 53)

Nomenclature; Designation; Monoclonal antibody (Baumgarten, H. (122) 1)

Polymer
Streptavidin; Biotin; Heteroconjugate; Heteroligating; Immunogen (Nardelli, B. (120) 233)

Polymerase chain reaction
Hybridoma, human; Monoclonal antibody; Leucyl-leucine methyl ester; In vitro immunization; Epstein-Barr virus transformation (Borrebaeck, C.A.K. (123) 157)

Polymeric IgA antibody
Secretory component; Radioimmunoassay (Bartholomeusz, R.C.A. (117) 247)

Polymorphonuclear leukocyte
Phagocytosis; Hydrogen peroxide production; Flow cytometry (Hasui, M. (117) 53)

Cationic antimicrobial protein; ELISA; Non-specific binding (Pereira, H.A. (117) 115)

Monocyte; Platelet; Adhesion; Myeloperoxidase; ELISA plate (Bath, P.M.W. (118) 59)

Chemotaxis; Boyden chamber design (Bignold, L.P. (118) 217)

Chemiluminescence; Fc receptor; Target cell fragment; Antibody-dependent cell-mediated cytotoxicity (Van Kessel, K.P.M. (118) 279)

Chemotaxis; ^{51}Cr assay (Capsoni, F. (120) 125)

Isolation; Purity; Yield (Eggleton, P. (121) 105)

Polymyxin B
Endotoxin; Lipooligosaccharide; Monoclonal antibody; *Haemophilus influenzae* type b; *Limulus* amebocyte lysate method (Mertsola, J. (122) 219)

Population dynamics
Cytotoxic T lymphocyte clones (Jenski, L.J. (117) 191)

Pore-forming protein
Cytolytic T lymphocyte; Granule; Subcellular fractionation; Serine esterase; Perforin; Hemolysis (Persechini, P.M. (124) 7)

Potentiation
Heat-inactivation; Anti-cardiolipin; ELISA; Inhibitor (Cheng, H.-M. (124) 235)

Pre-B cell
B cell progenitor; Hemopoietic colony; Stromal cell; Soluble mediator (Dorshkind, K. (123) 93)

Precipitin reaction
Enzyme immunoassay competitive; Monoclonal antibody; *Streptococcus*, oral; Mutans group (Ota, F. (124) 259)

Pregnancy
Latex agglutination; Chorionic gonadotrophin; Antigen detection (Lim, P.-L. (117) 137)

Pristane
Hybridoma, rat-rat; Ascites production; Monoclonal antibody production; Incomplete Freund's adjuvant (Kints, J.-P. (119) 241)

Prolamin
Gluten; Gliadin; Frazer's Fraction III; Monoclonal antibody; Celiac disease (Ellis, H.J. (120) 17)

Propyl-thiouracil
Intermediate filament protein; Endogenous peroxidase activity; Immunocytochemistry; Cyclopropanone hydrate; Sodium azide (Hittmair, A. (116) 199)

Prostaglandin
Interleukin-2; Arachidonic acid metabolite (Eskandari, M.K. (118) 85)

Prostatic cancer
Monoclonal antibody purification; Immunoscintigraphy; Acid phosphatase (Hakalahti, L. (117) 131)

Protease
T cell epitope; T cell; Tetanus toxin (Demotz, S. (122) 67)

Immunoglobulin; Rocket immunoelectrophoresis (Lassiter, M.O. (123) 63)

Protection
ELISA, liquid-phase; Serum neutralization test; Foot-and-mouth disease virus; Vaccination; Immunity (Van Maanen, C. (124) 111)

Protein
Immobilization; ELISA (Jitsukawa, T. (116) 251)

Protein A
Staphylococcal enterotoxin B (Balint, Jr., J. (116) 37)

Enzyme immunoassay; Chromatography, affinity; Monoclonal antibody (Bloom, J.W. (117) 83)

Rapid immunoassay; Immunofiltration; Tween 20 (IJsselmuiden, O.E. (119) 35)

Ligand leakage; Immunoglobulin capacity; Chromatography, affinity (Füglistaller, P. (124) 171)

Avidin-biotin ELISA; Brucellosis; Incomplete IgG (Jagannath, C. (124) 251)

Protein-coated sheep red blood cell
Reverse plaque; Antibody derivatization; Antigen detection (Schlueter, A.J. (124) 35)

Protein conformation
Immunochemical method; Monoclonal antibody; Lipopolysaccharide; Membrane solubilization; Line blot immunoassay (Raoult, D. (125) 57)

Protein denaturation
Immunologic adjuvant; Class antibody; Monoclonal antibody; Antibody affinity; Antibody formation; Antigenic determinant; Competitive binding (Kenney, J.S. (121) 157)

Protein G
Immunoglobulin-binding protein; *Streptococcus*; Immunoassay; Mitogen (Faulmann, E.L. (123) 269)

Protein modification
Epitope characterization; Ribosomal protein; Monoclonal antibody; Synthetic peptide (Syu, W.-J. (118) 153)

Protein purification
Dual expression system; Malaria antibody; Staphylococcal protein A; Streptococcal protein G (Ståhl, S. (124) 43)

Pseudomonas aeruginosa
Immune complex; Cystic fibrosis; Flagella; Lipopolysaccharide; Immunoblotting (Kronborg, G. (122) 51)

Pseudorabies
Glycoprotein X; ELISA; Bioengineered vaccine; Phenotypic reversion (Eaton, L.C. (118) 125)

Purification
C1 inhibitor; Complement; Jacalin-agarose (Pilatte, Y. (120) 37)

High expression vector; Recombinant interleukin-5, human; interleukin-5 antibody, anti-mouse (Mita, S. (125) 233)

Purity
Polymorphonuclear leukocyte; Isolation; Yield (Eggleton, P. (121) 105)

Q

Quantification
Chemotaxis assay; Adherence assay; Densitometer (Klomp, J.P.G. (118) 47)

ELISA; Phospholipase A_2; Bee venom allergy (Rieben, R. (119) 1)

Quantitation
Ig isotype, mouse; ELISA (Klein-Schneegans, A.-S. (119) 117)

Terasaki-ELISA; Sequential equilibrium binding analysis; Affinity (Pathak, S.S. (123) 71)

Lymphocyte; Interleukin-2; Secretion; (Bovine); (Human) (Viselli, S.M. (125) 115)

ELISA; Ig isotype/allotype, mouse; $IgG2a^b$ (Klein-Schneegans, A.-S. (125) 207)

Quantitative immunoassay
Immunoslot blot; Membrane protein; EGF receptor; Dexamethasone (Von Knebel Doeberitz, M. (122) 259)

R

Radioassay
Binding assay; Antibody binding (Miller III, A. (125) 35)

Radioimmunoassay
Autoantibody; C1q; DNA, immobilized (Lacy, M.J. (116) 87)

Anti-idiotypic antibody; Anti-tumor antibody; ELISA; Mixed hemadsorption assay; (Cancer patient) (Wettendorff, M. (116) 105)

Polymeric IgA antibody; Secretory component (Bartholomeusz, R.C.A. (117) 247)

Tumor marker; Polyclonal antibody; Monoclonal antibody; Immunoradiometric assay (Kardana, A. (118) 53)

Atrial natriuretic factor; Monoclonal antibody (Prowse, C. (118) 91)

ELISA; FAST-ELISA; Pneumococcal antibody (Boctor, F.N. (120) 167)

Steroid; Estrogen; Estriol; ^{125}I-estriol (Gloning, K. (122) 185)

Luteinizing hormone-releasing hormone; Triton X-100 (Ezan, E. (122) 291)

Multiple antigen peptide; Solid-phase immunoassay; Synthetic peptide antigen; ELISA; Circumsporozoite protein; Malaria (Tam, J.P. (124) 53)

Phosphotyrosine; Phosphothreonine; Phosphoserine; *N*-Succinylphosphoamino acid; Serologic specificity (Levine, L. (124) 239)

Radioimmunodetection
Monoclonal antibody; Papain; Bromelain (Milenic, D.E. (120) 71)

Rapid diagnosis
Diazotized polystyrene; Immunocarrier; Latex; Leptospirosis (Liu, Y.-c. (124) 159)

Rapid immunoassay
Immunofiltration; Tween 20; Protein A (IJsselmuiden, O.E. (119) 35)

Receptor
Allophycocyanin; Phycobiliprotein; Flow cytometry; Immunofluorescence (Jung, T.M. (121) 9)

Receptor screening
Interleukin-1 receptor; Binding assay (Horuk, R. (119) 255)

Recombinant interleukin-1β, human
Monoclonal antibody; Affinity purification (Bigio, M. (123) 1)

Recombinant interleukin-5, human
High expression vector; IL-5 antibody, anti-mouse; Purification (Mita, S. (125) 233)

Red blood cell, mouse
Monoclonal anti-idiotype antibody; Mammary tumor, mouse; Mammary tumor virus, mouse (Wei, W.-Z. (122) 227)

Reference value
Whole-blood lymphocyte culture; aCD3-induced proliferation (Bloemena, E. (122) 161)

Rejection
Cyclosporine; Cyclosporine antibody; Cyclosporine level; Photochemical cross-linking; Transplantation; Cyclosporine monitoring (Cacalano, N.A. (118) 257)

Renal dysfunction
C3d estimation; ELISA; Continued ambulant peritoneal dialysis; Biological fluid (Asghar, S.S. (120) 207)

Retroviral mediated gene transfer
Hypoxanthine aminopterin thymidine-sensitive mutant; Neomycin resistant (De Lau, W.B.M. (117) 1)

Retrovirus
Leukemia virus, murine; T cell lymphoma; Virus receptor; Cell-virus binding assay (O'Neill, H.C. (122) 79)

Reverse plaque
Antibody derivatization; Antigen detection; Protein-coated sheep red blood cell (Schlueter, A.J. (124) 35)

Rheumatoid arthritis
Anti-collagen antibody; ELISA; Serum, human; Serum, normal rabbit (Fujii, K. (124) 63)

Ribosomal protein
Epitope characterization; Monoclonal antibody; Synthetic peptide; Protein modification (Syu, W.-J. (118) 153)

mRNA
Interleukin-1; Monocyte; Macrophage (Smith, Jr., M.F. (118) 265)

Rocket immunoelectrophoresis
Immunoglobulin; Protease (Lassiter, M.O. (123) 63)

Rosetting
IgE receptor; Basophil-like cell (Kirshenbaum, A.S. (123) 55)

Ro/SS-A antigen
Chromatography, fast protein liquid; Western blotting (Wu, D.-H. (121) 219)

S

Sandwich assay
Liposome immune lysis assay; Enzyme immunoassay; α_2 Plasmin inhibitor; α_2 Plasmin inhibitor-plasmin complex (Hosoda, K. (121) 121)

Sandwich-ELISA
Colony-stimulating factor 1; In vitro colony assay; Monoclonal antibody, rat (Lokeshwar, B.L. (123) 123)

Sandwich-enzyme immunoassay
Endothelin; Monoclonal antibody; Plasma level (Suzuki, N. (118) 245)

Saponin
Dual staining; Phenotypic marker; Cell cycle analysis; Flow cytometry (Rigg, K.M. (123) 177)

Screening
Hybridoma; Immunocytochemistry (Berghman, L.R. (125) 225)

Screening of cells or antibodies
Fc receptor expression; Cell adherence test (Lemke, H. (121) 175)

Screening of monoclonal antibodies
Cell surface antigen; Hemagglutination (Kokkinopoulos, D. (119) 59)

Secretion
Lymphocyte; Interleukin-2; Quantitation; (Bovine); (Human) (Viselli, S.M. (125) 115)

Secretion granule
GP-2; ELISA; Membrane protein; Pancreas (Leblond, F.A. (124) 71)

Secretion kinetics
Hybridoma; Monoclonal antibody production; Surface immunofluorescence (Meilhoc, E. (121) 167)

Secretory component
Polymeric IgA antibody; Radioimmunoassay (Bartholomeusz, R.C.A. (117) 247)

Separation fluoroimmunoassay
Magnetizable particle; Solid-phase activation (Al-Abdulla, I.H. (122) 253)

Separation of human lymphocytes
Leukotrap filter (Longley, R.E. (121) 33)

Sequential equilibrium binding analysis
Terasaki-ELISA; Affinity; Quantitation (Pathak, S.S. (123) 71)

Serine esterase
Cytolytic T lymphocyte; Granule; Subcellular fractionation; Perforin; Pore-forming protein; Hemolysis (Persechini, P.M. (124) 7)

Serodiagnosis
Enterococcus faecalis; λ*gt*11; ELISA, indirect; Enterococcal endocarditis (Burnie, J.P. (123) 217)

Serologic specificity
Radioimmunoassay; Phosphotyrosine; Phosphothreonine; Phosphoserine; *N*-Succinylphosphoamino acid (Levine, L. (124) 239)

Serum amyloid A protein
Dot-blot enzyme immunoassay (Ogata, F. (116) 131)

Serum amyloid A (SAA, apoSAA)
ELISA; Acute-phase protein; Amyloidosis (Sipe, J.D. (125) 125)

Serum analysis
Time-resolved fluoroimmunoassay; Insulin antibody; Affinity distribution measurement (Vos, Q. (122) 43)

Serum-free medium
Hybridoma; Monoclonal antibody (Schneider, Y.-J. (116) 65)

Serum, human
Anti-collagen antibody; ELISA; Serum, normal rabbit; Rheumatoid arthritis (Fujii, K. (124) 63)

Serum IgM level
IgM, squirrel monkey; Monoclonal antibody; Solid-phase immunoradiometric assay; Immunoblotting (Fandeur, T. (118) 109)

Serum neutralization test
ELISA, liquid-phase; Foot-and-mouth disease virus; Vaccination; Immunity; Protection (Van Maanen, C. (124) 111)

Serum, normal rabbit
Anti-collagen antibody; ELISA; Serum, human; Rheumatoid arthritis (Fujii, K. (124) 63)

Serum opsonin
Meningococcus; Phagocytosis; Flow cytometry (Sjursen, H. (116) 235)

Serum sample
Interferon-γ; ELISA; Monoclonal antibody; Malaria (Andersson, G. (125) 89)

Silica substrate
Antibody immobilization; Native antibody; Denatured antibody; Adsorption behavior (Lin, J.N. (125) 67)

Silver staining
C2 polymorphism; C2 activation; Isoelectric focusing; Lupus erythematosus (Segurado, O.G. (117) 9)

Monoclonal antibody; Anti-idiotypic antibody; Double-diffusion (Rochu, D. (118) 67)

Simplex method
Flow cytometry; Immunophenotyping; Fluorescence intensity analysis; Computer simulation; Curve fitting (Takase, K. (118) 129)

Single-stranded DNA
Monoclonal antibody; Anti-adenosine; Anti-guanosine; ELISA (Traincard, F. (123) 83)

Slot blotting
Immunoblotting; Dot blotting; Dot immunobinding; Electrophoresis; Western blotting; (Methods); (Review) (Stott, D.I. (119) 153)

Snake venom
Nerve growth factor; Immunoassay, fluorometric, time-resolved; Europium; Pheochromocytoma PC12; Internalization (Arumäe, U. (122) 59)

Sodium azide
Intermediate filament protein; Endogenous peroxidase activity; Immunocytochemistry; Cyclopropanone hydrate; Propylthiouracil (Hittmair, A. (116) 199)

Solid-phase activation
Magnetizable particle; Separation fluoroimmunoassay (Al-Abdulla, I.H. (122) 253)

Solid-phase antibody
Carcinoembryonic antigen; Complement; Immunoassay (Börmer, O.P. (121) 85)

Solid-phase immunoassay
Anti-peptide antibody; Covalent immobilization; Phenylalanine-lysine copolymer (Hobbs, R.N. (117) 257)

Multiple antigen peptide; Synthetic peptide antigen; Radioimmunoassay; ELISA; Circumsporozoite protein; Malaria (Tam, J.P. (124) 53)

Poly(acrylamide); Hydrophilic solid support; Ultrasound; Antigen concentration (Tarcha, P.J. (125) 243)

Solid-phase immunoradiometric assay
IgM, squirrel monkey; Monoclonal antibody; Serum IgM level; Immunoblotting (Fandeur, T. (118) 109)

Solid-phase radioimmunoassay
Immune complex; *Entamoeba histolytica* (Mohimen, A. (117) 39)

Soluble mediator
B cell progenitor; Pre-B cell; Hemopoietic colony; Stromal cell (Dorshkind, K. (123) 93)

Solution-phase radioimmunoassay
Monoclonal antibody; Epitope specificity; Antibody affinity; Avidin-biotin system (Krüger, U. (117) 25)

SPan-1
Avidin-biotin; Comparison of immunoassays; Pancreatic cancer antigen (Ho, J.J.L. (125) 97)

Sp2/0 ascites
Cell fusion; Hybridoma; Monoclonal antibody (Stewart, S.S. (123) 45)

Specific B cell response
In vitro stimulation; Monoclonal antibody; Fusion efficiency; Lipid A; Muramyl dipeptide; Immunogenicity (Erich, T. (118) 17)

Specific IgG
Oligoclonal band; Affinity (Luxton, R.W. (121) 269)

Spectrofluorometry
Macrophage; Phagocytosis; Fluorescein isothiocyanate (Ragsdale, R.L. (123) 259)

Sphingosine
Neutrophil; Oxygen-independent antimicrobial activity (Stinavage, P. (124) 267)

Spleen
Lymphocyte migration; Fluorescein isothiocyanate; Immunohistochemistry; Double staining; Cryostat section (Willführ, K.U. (120) 29)

Staining, double
Cell surface phenotype; Lymphocyte, activated; Tetrazolium dye (Schauer, U. (116) 221)

Standing wave
Ultrasound; Accoustic radiation force; Agglutination; *Legionella pneumophila* (Jepras, R.I. (120) 201)

Staphylococcal enterotoxin B
Protein A (Balint, Jr., J. (116) 37)

Staphylococcal protein A
Dual expression system; Malaria antibody; Streptococcal protein G; Protein purification (Ståhl, S. (124) 43)

Staphylococcus aureus
Acridine orange; Neutrophil; Phagocytosis; Phagocyte deficiency, functional (Bellinati-Pires, R. (119) 189)

Phagocytosis; Flow cytometry (Cantinieaux, B. (121) 203)

Steric effect
Immune complex; ELISA sensitivity (Brown, D.W. (116) 45)

Steroid
Estrogen; Estriol; ^{125}I-estriol; Radioimmunoassay (Gloning,

K. (122) 185)

Streptavidin
Polymer; Biotin; Heteroconjugate; Heteroligating; Immunogen (Nardelli, B. (120) 233)

Cell fusion; Hybridoma; Electroporation; Biotin (Hewish, D.R. (120) 285)

Monoclonal anti-FITC; ELISA; Biotin (Harmer, I.J. (122) 115)

Streptococcal protein G
Dual expression system; Malaria antibody; Staphylococcal protein A; Protein purification (Ståhl, S. (124) 43)

Streptococcus
Protein G; Immunoglobulin-binding protein; Immunoassay; Mitogen (Faulmann, E.L. (123) 269)

Streptococcus dysgalactiae
IgG(Fc) receptor; Chromatography, affinity (Lämmler, C. (124) 131)

***Streptococcus*, oral**
Enzyme immunoassay competitive; Precipitin reaction; Monoclonal antibody; Mutans group (Ota, F. (124) 259)

Stromal cell
B cell progenitor; Pre-B cell; Hemopoietic colony; Soluble mediator (Dorshkind, K. (123) 93)

Subcellular fractionation
Cytolytic T lymphocyte; Granule; Serine esterase; Perforin; Pore-forming protein; Hemolysis (Persechini, P.M. (124) 7)

Substance P
Monoclonal antibody; Tyrosine hydroxylase; Internal labeling; Immunocytochemistry; Enkephalin (Elliott, P.J. (123) 141)

***N*-Succinylphosphoamino acid**
Radioimmunoassay; Phosphotyrosine; Phosphothreonine; Phosphoserine; Serologic specificity (Levine, L. (124) 239)

Superoxide dismutase
ELISA; Horseradish peroxidase; Gamma irradiation; Free radical (Schuler, G. (116) 27)

Suppressor cell
Mycobacterial antigen; Antigen specificity; (Guinea pig) (Haslov, K. (120) 85)

Surface antigen
Monoclonal antibody, human; Neoplasm antigen; Neoplasm; Immunoenzyme technique; Colorectal carcinoma (Tuson, J.R.D. (121) 47)

Surface immunofluorescence
Hybridoma; Monoclonal antibody production; Secretion kinetics (Meilhoc, E. (121) 167)

Surface molecule
Transfectants murine; Monoclonal antibody; Fluorescence activated cell sorter; Immunorosette (Peruzzi, L. (123) 113)

Surface plasmon
Immunoassay; Antibody affinity; Optical technique; Antibody concentration (Mayo, C.S. (120) 105)

Surrogate receptor
Palmitate-derivatized antibody; Cell-cell interaction (Colsky, A.S. (124) 179)

Synaptosomal membrane
Calmodulin; Anti-calmodulin antibody; Dot-immunobinding assay; Immunoblot assay; Fixative (Natsukari, N. (125) 159)

Synthetic antigen
Conjugation; Immunogenicity; (Antibody) (Marini, S. (120) 57)

Synthetic intron
Chimeric antibody; cDNA expression (Gillies, S.D. (125) 191)

Synthetic peptide
ELISA; HIV-1 (Modrow, S. (118) 1)

Epitope characterization; Ribosomal protein; Monoclonal antibody; Protein modification (Syu, W.-J. (118) 153)

Immunoadsorbent; Antipeptide antibody (Chersi, A. (122) 285)

Herpes simplex virus type 1 glycoprotein D; Adjuvant (Geerligs, H.J. (124) 95)

Herpes simplex virus type 1; ELISA; Glycoprotein D (Van der Ploeg, J.R. (124) 211)

Synthetic peptide antigen
Multiple antigen peptide; Solid-phase immunoassay; Radioimmunoassay; ELISA; Circumsporozoite protein; Malaria (Tam, J.P. (124) 53)

T

Tamm-Horsfall glycoprotein
Uromodulin; Immunosuppressive agent; Urinary protein (Serafini-Cessi, F. (120) 185)

Target cell fragment
Chemiluminescence; Polymorphonuclear leukocyte; Fc receptor; Antibody-dependent cell-mediated cytotoxicity (Van Kessel, K.P.M. (118) 279)

T cell
Lymphokine; Cytokine; Monoclonal antibody (Mosmann, T.R. (116) 151)

T cell epitope; Tetanus toxin; Protease (Demotz, S. (122) 67)

T cell clone, rat
Experimental autoimmune encephalomyelitis; Encephalitogenic; Lymphokine; Interferon-γ (Sedgwick, J.D. (121) 185)

T cell differentiation antigen
CD7; ELISA; Leukemia (Jung, L.K.L. (116) 137)

T cell epitope
T cell; Tetanus toxin; Protease (Demotz, S. (122) 67)

T cell leukemia, adult
Monoclonal antibody; T cell leukemia virus type I, human; Immune complex; ELISA (Ishibashi, K. (119) 217)

T cell leukemia virus type I, human
Monoclonal antibody; Immune complex; ELISA; T cell leukemia, adult (Ishibashi, K. (119) 217)

T cell lymphoma
Leukemia virus, murine; Virus receptor; Retrovirus; Cell-virus binding assay (O'Neill, H.C. (122) 79)

T cell receptor-γδ
Cell separation; Immunomagnetic separation (Bosnes, V. (118) 251)

T cell subset
Panning; Covalent binding (Larsson, P.H. (116) 293)

Terasaki-ELISA
IgE, mouse; ELISA, inhibition; Antiserum, commercial; Western blotting (Savelkoul, H.F.J. (116) 277)

Sequential equilibrium binding analysis; Affinity; Quantitation (Pathak, S.S. (123) 71)

Tetanus toxin
T cell epitope; T cell; Protease (Demotz, S. (122) 67)

Tetrazolium dye
Staining, double; Cell surface phenotype; Lymphocyte, activated (Schauer, U. (116) 221)

Tetrazolium salt
Formazan; Cell growth; Cell kill (Hansen, M.B. (119) 203)

Theiler's murine encephalomyelitis virus
Fluorescence immunoassay; Viral antibody; Particle concentration fluorescence immunoassay (Peterson, J.D. (119) 83)

Thymocyte
Interleukin-6; Interleukin-1; T lymphocyte; Interleukin-2 (Suda, T. (120) 173)

Thymocyte activation
Interleukin-1, sheep; Cartilage degradation (Harkiss, G.D. (117) 231)

Thymosin β_4
Thymosin β_9(1–14); ELISA (Mihelić, M. (122) 7)

Thymosin β_9(1–14)
Thymosin β_4; ELISA (Mihelić, M. (122) 7)

Thyroglobulin
Immunomagnetic isolation; Monoclonal antibody; Antigen-specific B cell; B lymphocyte; Hybridoma (Ossendorp, F.A. (120) 191)

Time-resolved fluorescence
Cytotoxicity assay; Lymphokine-activated killer cell activity (Volgmann, T. (119) 45)

Time-resolved fluoroimmunoassay
Insulin antibody; Serum analysis; Affinity distribution measurement (Vos, Q. (122) 43)

Tissue damage
Hydrogen peroxide; Drug targeting; Inflammation; Immunotoxin (Muzykantov, V.R. (119) 65)

T lymphocyte
Differentiation antigen; Hybridoma; Interspecies hybrid; (Guinea pig) (Schäfer, H. (118) 169)

Thymocyte; Interleukin-6; Interleukin-1; Interleukin-2 (Suda, T. (120) 173)

T lymphocyte clone
Plasmodium falciparum; Expression library; Immunoblotting (Guttinger, M. (121) 225)

Transfectants murine
Surface molecule; Monoclonal antibody; Fluorescence activated cell sorter; Immunorosette (Peruzzi, L. (123) 113)

Transformant
Electroinjection; Macrophage; L cell (Däumler, R. (122) 203)

Transplantation
Cyclosporine; Cyclosporine antibody; Cyclosporine level; Photochemical cross-linking; Rejection; Cyclosporine monitoring (Cacalano, N.A. (118) 257)

Monoclonal antibody; OKT3; Flow cytometry; ELISA (Lim, V.L. (121) 197)

Trichinella spiralis
IgM detection; Latex immunoassay; Turbidimetry (Lim, P.-L. (117) 267)

3-(Trifluoromethyl)-3-(3′-iodophenyl)diazirine
Membrane protein; Hydrophobic labeling; Iodonaphthylazide; Lipid bilayer (Vogel, L. (116) 31)

Triple laser
Flow cytometry; Immunofluorescence; Multiparameter; Glutathione (Woronicz, J.D. (120) 291)

Triple staining
Immunohistochemistry; Double staining; Anti-fluorescein isothiocyanate; Monoclonal antibody, commercial (Van der Loos, C.M. (117) 45)

Triton X-100
Luteinizing hormone-releasing hormone; Radioimmunoassay (Ezan, E. (122) 291)

Tumor marker
Polyclonal antibody; Monoclonal antibody; Radioimmunoassay; Immunoradiometric assay (Kardana, A. (118) 53)

Tumor necrosis factor
Lymphotoxin; Bioassay; Immunoassay (Meager, A. (116) 1)

Interleukin-1; Ultrafiltration; Mononuclear cell; High-flux membrane; Endotoxin (Schindler, R. (116) 159)

ELISPOT; Interferon-γ; Cytokine (Hutchings, P.R. (120) 1)

Tumor necrosis factor α
Lymphokine measurement; In vivo activated lymphocyte; Interleukin-2; Interleukin-3/colony stimulating factor (Mohler, K.M. (121) 67)

Tumor necrosis factor β; Immunofluorescence; Cytokine-producing cell; Detection method (Andersson, U. (123) 233)

Tumor necrosis factor β
Tumor necrosis factor α; Immunofluorescence; Cytokine-producing cell; Detection method (Andersson, U. (123) 233)

Turbidimetry
IgM detection; Latex immunoassay; *Trichinella spiralis* (Lim, P.-L. (117) 267)

Opsonization; Phagocytosis; Aggregation (Kuypers, T.W. (124) 85)

Tween 20
ELISA; Immunobinding; Immunoblotting; Non-specific binding (Mohammad, K. (117) 141)

Rapid immunoassay; Immunofiltration; Protein A (IJsselmuiden, O.E. (119) 35)

Two-dimensional photon counting
Chemiluminescence multiwell analyzer; B cell chemiluminescence; IgE luminescence immunoassay (Maly, F.-E. (122) 91)

Two-site immunoassay
Monoclonal antibody; Assay specificity; Chorionic gonadotrophin (Boscato, L.M. (117) 221)

Tyrosine hydroxylase
Monoclonal antibody; Internal labeling; Immunocytochemistry; Substance P; Enkephalin (Elliott, P.J. (123) 141)

U

Ultrafiltration
Interleukin-1; Tumor necrosis factor; Mononuclear cell; High-flux membrane; Endotoxin (Schindler, R. (116) 159)

Ultrasensitivity
ELISA; IgE; In vitro B cell culture (Kemeny, D.M. (120) 251)

Ultrasound
Standing wave; Accoustic radiation force; Agglutination; *Legionella pneumophila* (Jepras, R.I. (120) 201)

Poly(acrylamide); Hydrophilic solid support; Solid-phase immunoassay; Antigen concentration (Tarcha, P.J. (125) 243)

Unitage
Lymphokine; Monokine; Bioassay; Calculation; Data analysis (Hewlett, G. (117) 243)

Urinary protein
Tamm-Horsfall glycoprotein; Uromodulin; Immunosuppressive agent (Serafini-Cessi, F. (120) 185)

Urine
Human growth hormone; ELISA; Avidin-biotin (Bullen, H. (121) 247)

Uromodulin
Tamm-Horsfall glycoprotein; Immunosuppressive agent; Urinary protein (Serafini-Cessi, F. (120) 185)

Uteroglobin
Chromatography; Immunoaffinity; ELISA; IgG isolation (Dannhorn, D.R. (119) 223)

V

Vaccination
ELISA, liquid-phase; Serum neutralization test; Foot-and-mouth disease virus; Immunity; Protection (Van Maanen, C. (124) 111)

Vanillylmandelic acid
Chemistry; Antibody; Immunogen; Immunoassay (Mellor, G.W. (118) 101)

Veiled cell
Afferent lymph; Density gradient (Galkowska, H. (116) 207)

Viability
Basophil; IgE; Flow cytometry; Immunofluorescence (Bochner, B.S. (125) 265)

Viral antibody
Fluorescence immunoassay; Particle concentration fluorescence immunoassay; Theiler's murine encephalomyelitis virus (Peterson, J.D. (119) 83)

Viral antigen
Immunofluorescence; Monoclonal antibody; Hybridoma (Onisk, D.V. (125) 203)

Virus receptor
Leukemia virus, murine; T cell lymphoma; Retrovirus; Cell-virus binding assay (O'Neill, H.C. (122) 79)

W

Western blotting
Monoclonal mouse IgE; IgE, rabbit anti-mouse; Idiotypic activity; Allotypic activity; IgE light chain (Savelkoul, H.F.J. (116) 265)

IgE, mouse; Terasaki-ELISA; ELISA, inhibition; Antiserum, commercial (Savelkoul, H.F.J. (116) 277)

High molecular weight kininogen; Immunoblotting; Laser densitometry; Contact activation of plasma proteins (Reddigari, S. (119) 19)

Immunoblotting; Dot blotting; Slot blotting; Dot immunobinding; Electrophoresis; (Methods); (Review) (Stott, D.I. (119) 153)

Ro/SS-A antigen; Chromatography, fast protein liquid (Wu, D.-H. (121) 219)

Enzyme immunoassay; Monoclonal antibody; N-*myc* protein (Ikegaki, N. (124) 205)

Whole-blood lymphocyte culture
aCD3-induced proliferation; Reference value (Bloemena, E. (122) 161)

Y

Yield
Polymorphonuclear leukocyte; Isolation; Purity (Eggleton, P. (121) 105)

Notes to authors

Submission of a paper to the Journal of Immunological Methods is understood to imply that it has not previously been published and that it is not being considered for publication elsewhere. It will also be assumed that submission has the approval of all the authors.

In the event of rejection manuscripts will be retained in the Editorial Office for 3 months so that authors may request the return of any original material. *Unclaimed material will be discarded after this time.*

Informed consent

Investigations on human subjects must include a statement indicating that informed consent was obtained after the nature and possible consequences of the studies had been fully explained.

Animal welfare

Authors using experimental animals must state that their care was in accordance with institutional guidelines. For animals subjected to invasive procedures, the anesthetic, analgesic and tranquilizing agents used, as well as the amounts and frequency of administration, must be stated.

Types of papers

Review-type articles on methods, including their development, applicability and present status, usually by invitation; *research reports*, full-length articles describing original work; *short communications; technical notes; letters to the editors* — in order to expedite publication of the letters no proofs will be sent to the authors; *book reviews. News* and *announcements* are welcomed.

Preparation of the text

To avoid unnecessary delays authors should adhere strictly to the following instructions.

The length of articles should be restricted to 8 printed pages, i.e., approximately 20 manuscript pages. The manuscript should be accompanied by a title page and an abstract. *In order to expedite publication the original and two copies are required.*

Manuscripts, addressed to one of the editors, should be typewritten with double spacing and wide margins. Words to be printed in '*italics*' should be underlined. The metric system is to be used throughout.

Title page

The title page should be a separate sheet, and should include: the title, the name(s) of the author(s) and their affiliations. The address for correspondence should be given separately.

Abstract

The abstract, not more than 5% of the length of the article, should be on a separate sheet. It will appear at the beginning of the paper.

Key words

Key words should be provided at the foot of the abstract. Normally 3–6 items should be included.

Abbreviations

Abbreviations used in the paper should be provided as a footnote on the first page of the article.

References

References in the text start with the name of the author(s), followed by the publication date in brackets, e.g.: 'Rossi (1985) has shown the importance of ...', or, '... has been described (Rossi, 1985; Brown et al., 1986) ...', using date order.

The references in the reference list should be in alphabetical order and typed double-spaced on sheets separate from the text.

References to journals should contain names and initials of the author(s), year of publication (between brackets), article title, abbreviation of the name of the journal according to the *List of Serial Title Word Abbreviations* (International Serials Data System, 20, rue Bachaumont, 75002 Paris, France. ISBN 2-904938-02-8), volume number and page number. References to books should also include the title (of series and volume), initials and names of the editor(s) and, between brackets, publisher and place of publication.

Examples

Troncone, R., Vitale, M., Donatiello, A., Farris, E., Rossi, G. and Auricchio, S. (1986) A sandwich enzyme immunoassay for wheat gliadin. J. Immunol. Methods 92, 21.

Strauss, J.H. and Strauss, E.G. (1985) Antigenic structure of togaviruses. In: M.H.V. Van Regenmortel and A.R. Neurath (Eds.), Immunochemistry of Viruses. Elsevier, Amsterdam, p. 407.

Campbell, A.M. (1984) In: R.H. Burdon and P.H. Van Knippenberg (Eds.), Laboratory Techniques in Biochemistry and Molecular Biology, Vol. 13, Monoclonal Antibody Technology. Elsevier, Amsterdam, p. 75.

Tables and figures

Tables should be compiled on separate sheets and numbered in Roman numerals.

Three sets of figures are to be submitted. At least one set must be of publication quality and the other two sets must be clear enough to be useful to the referees. Figures should be completely lettered, the size of the lettering being appropriate, taking into account the necessary reduction in size (preferably not more than one third). The page format should be considered in designing the figures. The figures should be numbered in Arabic numerals.

Photographs must be of good quality, printed on glossy paper. Photocopies of photomicrographs are not acceptable. Colour photographs are accepted but the contributor must meet the extra costs incurred.

Tables, figures and photographs should be clearly marked on the reverse side with the number, author's name and orientation (top); use a soft pencel or preferably a felt-tipped pen for marking photographs. Legends should be supplied on separate sheets.

Proofs and reprints

One set of proofs will be supplied for the author to check for type-setting accuracy. *No changes to the original manuscript will be allowed at this stage.*

Each author receives, with his proofs, a reprint order form, which he is asked to complete and return to Elsevier Science Publishers B.V., P.O. Box 1527, 1000 BM Amsterdam, The Netherlands, together with the proofs. In case of courier service, please use the following address: Elsevier Science Publishers B.V., Molenwerf 1, 1014 AG Amsterdam, The Netherlands.

There will be no page charge.

0022-1759/90/$03.50 © 1990 Elsevier Science Publishers B.V. (Biomedical Division)

© 1990 Elsevier Science Publishers B.V. (Biomedical Division)
All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of the publisher, Elsevier Science Publishers B.V. (Biomedical Division), P.O. Box 1527, 1000 BM Amsterdam, The Netherlands.

No responsibility is assumed by the publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions of ideas contained in the material herein. Because of the rapid advances in the medical sciences, the publisher recommends that independent verification of diagnoses and drug dosages should be made.

Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

Special regulations for authors. Upon acceptance of an article by the journal, the author(s) will be asked to transfer copyright of the article to the publisher. This transfer will ensure the widest possible dissemination of information.

Submission of a paper to this journal entails the author's irrevocable and exclusive authorization of the publisher to collect any sums or considerations for copying or reproduction payable by third parties (as mentioned in article 17, paragraph 2 of the Dutch Copyright Act of 1912, and in the Royal Decree of June 20, 1974 (S. 351) pursuant to article 16b of the Dutch Copyright Act of 1912) and/or to act in or out of Court in connection therewith.

Special regulations for readers in the U.S.A. This journal has been registered with the Copyright Clearance Center, Inc. Consent is given for copying of articles for personal or internal use, or for the personal use of specific clients. This consent is given on the condition that the copier pays through the Center the per-copy fee stated in the code on the first page of each article for copying beyond that permitted by sections 107 or 108 of the U.S. Copyright Law. The appropriate fee should be forwarded with a copy of the first page of the article to the Copyright Clearance Center, Inc., 27 Congress Street, Salem, MA 01970, U.S.A. If no code appears in an article, the author has not given broad consent to copy and permission to copy must be obtained directly from the author. All articles published prior to 1980 may be copied for a per-copy fee of U.S. $2.25, also payable through the Center. This consent does not extend to other kinds of copying, such as for general distribution, resale, advertising and promotion purposes, or for creating new collective works. Special written permission must be obtained from the publisher for such copying.

This journal is printed on acid-free paper.

Printed in The Netherlands

JOURNAL OF IMMUNOLOGICAL METHODS

AUTHOR AND SUBJECT INDEXES (1989) VOLUMES 116–125

CONTENTS

Author index	1
Subject index	27
Notes to authors	76

Cited in: *Biological Abstracts, Index Medicus, Chemical Abstracts, Current Contents / Life Sciences, Excerpta Medica (EMBASE), Informedicus, Abstracts on Hygiene and Communicable Diseases, Tropical Diseases Bulletin, Pascal M and S (Biotechnology)*